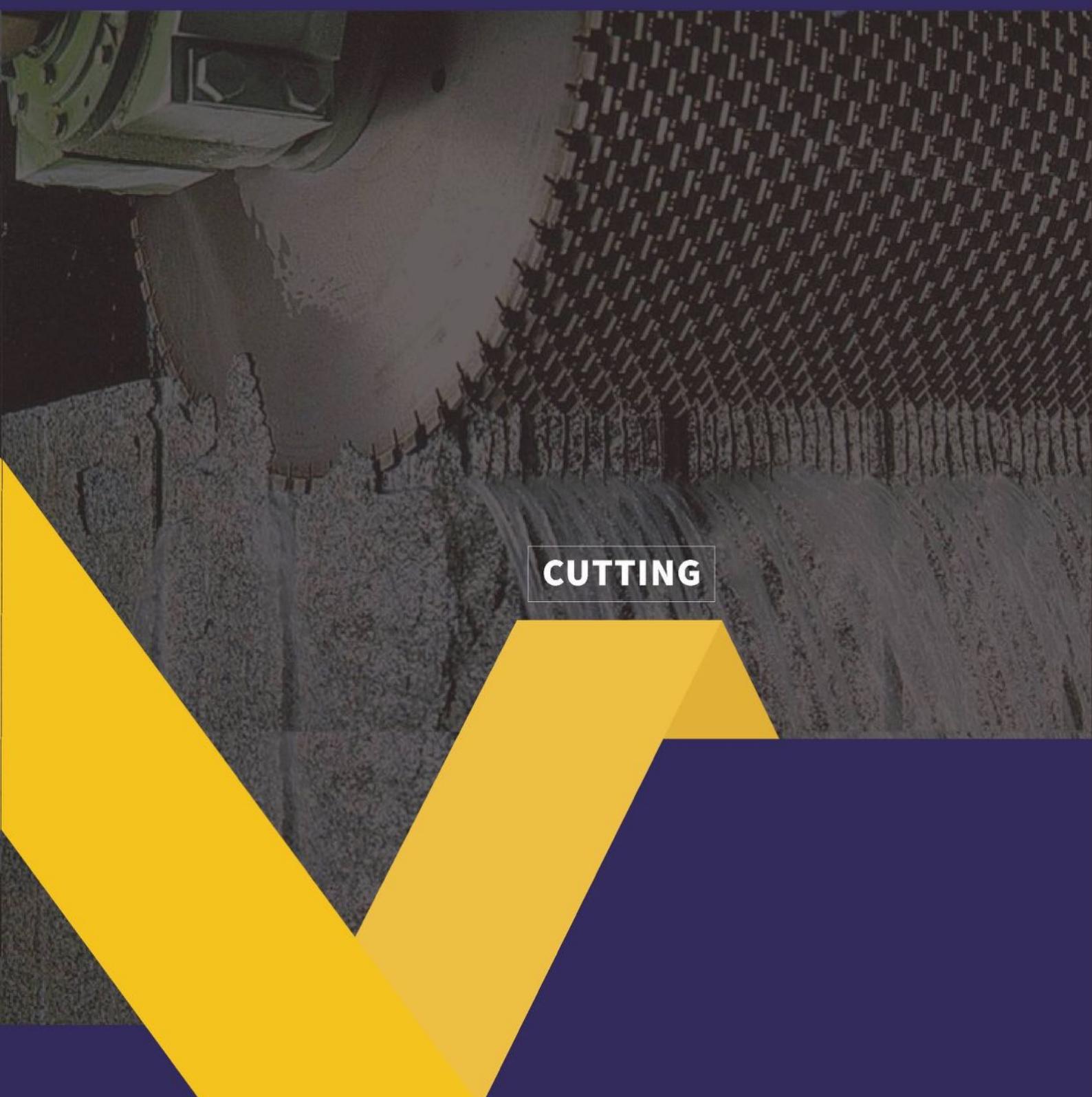




JOYTECH

DISCOVER THE WORLD OF DIAMOND TOOLS



CUTTING

XIAMEN JOY TECHNOLOG CO., LTD.

TECHNOLOGY

03



PDA PRO

The innovative patterned diamond arraying technology distributes particles precisely in 3D patterns



V-Tech™

V-Tech is a brand new diamond tools manufacturing know-how, developed on the basis of, yet far more innovative than, vacuum brazing technology.



Titan 723™

An innovative bond formulation developed on the basis of the advanced alloying technology for professional laser core bits, focusing the heavy duty reinforced concrete coring.



Titan 610™

The latest bond formulation developed on the basis of the advanced alloying technology.

R-Silent™

A new generation of noise-reduced steel cores which have heat resistant rubber pressed into slots to absorb the vibration.



UV Printing

The latest Eco-friendly full color painting technology makes diamond blades as beautiful as you imagine.



ALWAYS WEAR SAFETY & PROTECTIVE GEAR



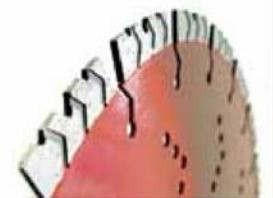
JOY
TECHNOLOGY

04

ARROW®

Series supreme laser blades

The original ARROW turbo segments in brand new bond provides a unique solution of smoothly cutting.

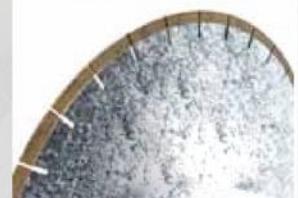


Series supreme laser blades
Swordfish is not a real fish but a real fast cutting blade.



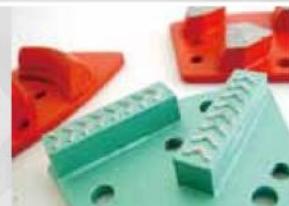
DEK Master™

The trademark of a range of quality blades for USC porcelain cutting.



EP Floor™

Series concrete grinding products
The reliable and sufficient solutions for floor preparation



ALWAYS WEAR SAFETY & PROTECTIVE GEAR

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Diamond Blades



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ALWAYS WEAR SAFETY
& PROTECTIVE GEAR

2

V-Tech™

Multipurpose Blades
 Oscillating & Reciprocating Blades
 Metal Cutter
 Drill Bits, Accessories, Tool Kits
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5

Diamond Wires

Reinforced Concrete
 Granite

90



ALWAYS WEAR SAFETY
& PROTECTIVE GEAR

How to Choose a Proper Diamond blade?

What is the Cutting Material?

- Cured Concrete (hardness, aggregate, steel bar)?
- Fresh Concrete? (<48 hrs cured), Asphalt or other Abrasive Materials?
- Granite, Marble, Artificial stone or Porcelain tiles?
- Metal and Steels?
- Or other materials?



What is the Cutting Method?

- With or without sufficient water coolant?
- Cut-off, Cut through or Chase?
- Single or Multiple cutting?



What kind of Saws will be used?

- Power cutter?
- Table saw?
- Walk behind saw? (Low or high power.)
- Wall saw?
- Bridge saw?
- Portable saw?



How Deep is the Cut?

- Use proper blade diameter for depth required.



Professional Road Saw Blades

THE GLOBAL CUTTER'S WAY



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WHAT IS PDA^{PRO} ?

PDA^{PRO} is Innovative Diamond Arraying Technology distributing diamonds particles precisely in 3D- patterns to maximize the utilization of diamonds.

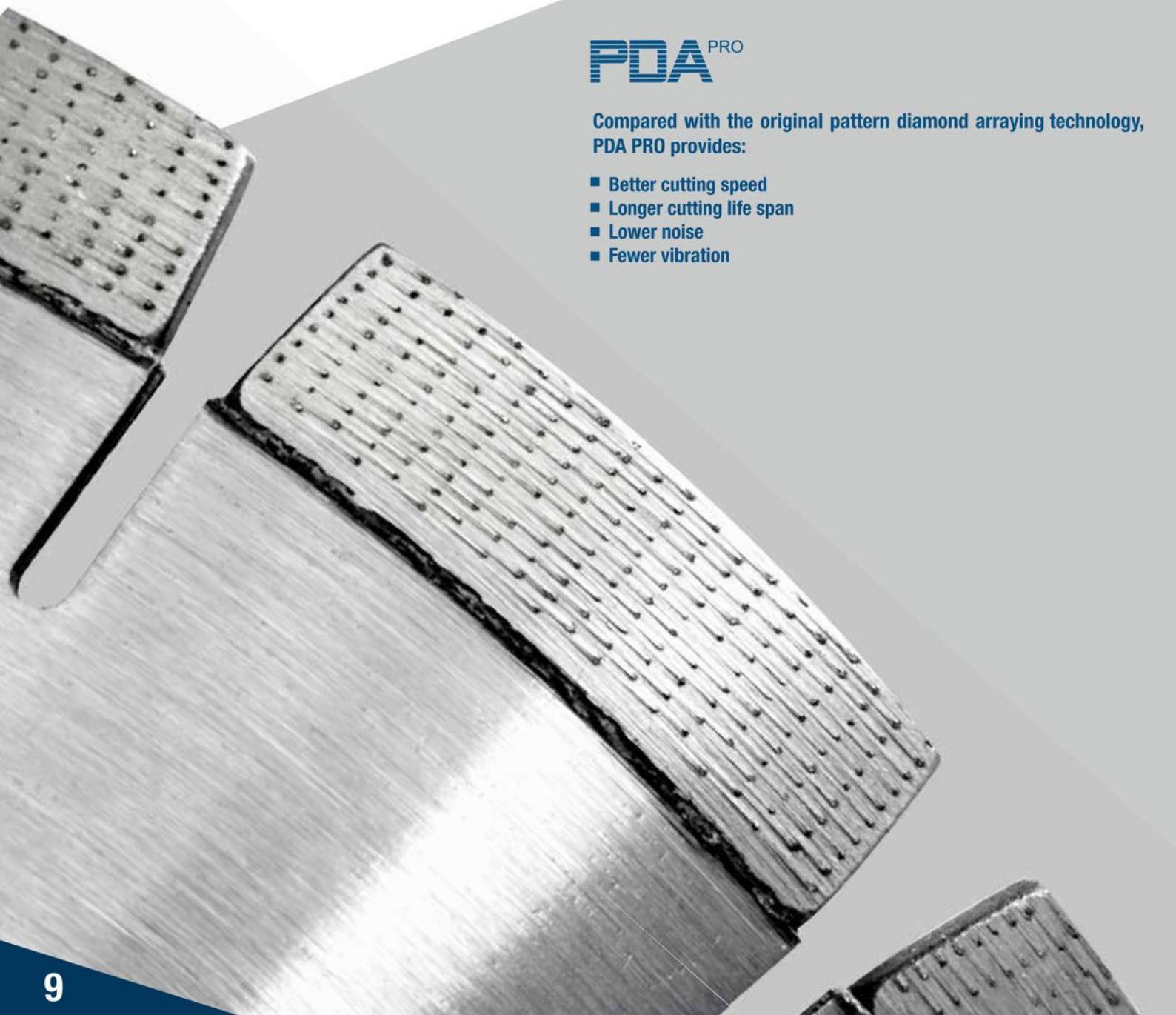
Through optimizing diamonds arraying structure and matrix formulation, **PDA^{PRO}** has become the most advanced technology in bringing diamond tools with more efficiency, durability and stability.



PDA^{PRO}

Compared with the original pattern diamond arraying technology, PDA PRO provides:

- Better cutting speed
- Longer cutting life span
- Lower noise
- Fewer vibration



Professional Road Saw Blades

Cured Concrete

Products for Specialized Contractors in Road & Floor cutting.

PDA^{PRO}

| Product Code | Diameter (mm) | Diameter (inch) | Height (mm) | Length (mm) | Thickness(mm) |
|--------------|---------------|-----------------|-------------|-------------|---------------|
| LW350-PDA | 350 | 14" | 12 | 40 | 3.2 |
| LW400-PDA | 400 | 16" | 12 | 40 | 3.5 |
| LW450-PDA | 450 | 18" | 12 | 40 | 3.5/4.0 |
| LW500-PDA | 500 | 20" | 12 | 40 | 3.5/4.0/4.5 |
| LW550-PDA | 550 | 22" | 12 | 40 | 3.5/4.0/4.5 |
| LW600-PDA | 600 | 24" | 12 | 40 | 4.0/4.5/4.7 |
| LW650-PDA | 650 | 26" | 12 | 40 | 4.0/4.5/4.7 |
| LW750-PDA | 750 | 30" | 12 | 40 | 4.0/4.5/4.7 |
| LW800-PDA | 800 | 32" | 12 | 40 | 4.0/4.5/4.7 |
| LW900-PDA | 900 | 36" | 12 | 40 | 4.0/4.5/4.7 |
| LW1000-PDA | 1000 | 42" | 12 | 40 | 4.0/4.5/4.7 |
| LW1200-PDA | 1200 | 48" | 12 | 40 | 4.0/4.5/4.7 |

Laser Welded blades for the heavy duty cutting on Highway, Bridge, Roads, Floors and Municipal constructions.

PDA^{PRO} guarantees the consistent fast and durable cutting to maximize the outcome of work.



PDA^{PRO}

LWCDS-PDA

| Product Code | Diameter (mm) | Diameter (inch) | Height (mm) | Length (mm) | Thickness(mm) |
|-----------------|---------------|-----------------|-------------|-------------|---------------|
| LWCDS350-PDA | 350 | 14" | 12 | 24 | 3.5 |
| LWCDS400-PDA | 400 | 16" | 12 | 24 | 3.5 |
| LWCDS450-PDA | 450 | 18" | 12 | 24 | 4.0 |
| LWCDS500-PDA | 500 | 20" | 12 | 24 | 3.5/4.0/4.2 |
| LWCDS550-PDA | 550 | 22" | 12 | 24 | 3.5/4.0/4.2 |
| LWCDS600-PDA | 600 | 24" | 12 | 24 | 3.5/4.0 |
| LWCDS650-PDA | 650 | 26" | 12 | 24 | 4.0/4.2 |
| LWCDS750-PDA | 750 | 30" | 12 | 24 | 4.0 |
| LWSFUDS800-PDA | 800 | 32" | 12 | 24 | 4.0/4.5/4.7 |
| LWSFUDS900-PDA | 900 | 36" | 12 | 24 | 4.0/4.5/4.7 |
| LWSFUDS1000-PDA | 1000 | 42" | 12 | 24 | 4.0/4.5/4.7 |
| LWSFUDS1200-PDA | 1200 | 48" | 12 | 24 | 4.0/4.5/4.7 |

Recommended for the professional cutting with sufficient water coolant.



General Application Instruction:



Recommended bond #

Premium* Professional**

| Machine Power | Powered by | Blades Diameter | Premium* | Professional** |
|---------------|-----------------|-----------------|----------|----------------|
| <25KW | Electric, petro | 350-1000 mm | LW440 | PDA633 |
| 25-60 KW | Petro, Desiel | 350-1500 mm | P864 | PDA632 |

*Premium quality products are suitable for C10-C45 grade cured concrete with medium hard aggregates like limestone, sandstone, soft granite.

**Professional quality products are suitable for C30-C120 grade cured concrete with hard aggregates like flint, quartz, and hard granite, basalt.

Professional Road Saw Blades



LWC-3V

| Product Code | Diameter (mm) | Diameter (inch) | Height (mm) | Thickness (mm) |
|--------------|---------------|-----------------|-------------|------------------|
| LWC-1-350-3V | 350 | 14" | 12/14 | 3.2/3.4/4.7/6.35 |
| LWC-1-400-3V | 400 | 16" | 12/14 | 3.2/3.4/4.0 |
| LWC-1-450-3V | 450 | 18" | 12/14 | 3.2/3.4/4.0 |
| LWC-1-500-3V | 500 | 20" | 12/14 | 3.2/3.4/4.0 |
| LWC-1-550-3V | 550 | 22" | 12/14 | 3.2/3.4/4.0 |
| LWC-1-600-3V | 600 | 24" | 12/14 | 3.2/3.4/4.0 |
| LWC-1-650-3V | 650 | 26" | 12/14 | 4.0 |
| LWC-1-750-3V | 750 | 30" | 12/14 | 4.0 |

The special V-topped segments made of the latest metal powder pre-alloying technology.

14 mm designed for the fastest, most aggressive cutting in medium to hard aggregates and longer cutting life.

Recommended for the professional cutting with sufficient water coolant.



LWC-1

| Product Code | Diameter (mm) | Diameter (inch) | Height (mm) | Thickness (mm) |
|--------------|---------------|-----------------|-------------|----------------------|
| LWC-1-350 | 350 | 14" | 10/12 | 3.4/4.0/4.7/6.35 |
| LWC-1-400 | 400 | 16" | 10/12 | 3.4/4.0/4.7/6.35 |
| LWC-1-450 | 450 | 18" | 10/12 | 3.4/4.0/4.7/6.35 |
| LWC-1-500 | 500 | 20" | 10/12 | 3.4/4.0/4.7/6.35 |
| LWC-1-550 | 550 | 22" | 10/12 | 3.4/4.0/4.7/6.35 |
| LWC-1-600 | 600 | 24" | 10/12 | 3.4/4.0/4.7/6.35 |
| LWC-1-650 | 650 | 26" | 10/12 | 3.6/4.0/4.7/5.4/6.35 |
| LWC-1-750 | 750 | 30" | 10/12 | 4.0/4.2/4.7/5.4/6.35 |
| LWC-1-800 | 800 | 32" | 10/12 | 4.5/4.7 |
| LWC-1-900 | 900 | 36" | 10/12 | 4.7/5.4 |
| LWC-1-1000 | 1000 | 42" | 10/12 | 4.5/4.7 |
| LWC-1-1200 | 1200 | 48" | 10/12 | 4.7/5.4 |

Laser Welded blades for the heavy duty cutting on Highway, Bridge, Roads, Floors and Municipal constructions.

Recommended for the professional cutting with sufficient water coolant.

General Application Instruction:



| Machine Power | Powered by | Blades Diameter | Recommended bond # | |
|---------------|-----------------|-----------------|--------------------|----------------|
| | | | Premium* | Professional** |
| <25KW | Electric, petro | 350-1000 mm | LW440 | PDA633 |
| 25-60 KW | Petro, Desiel | 350-1500 mm | P864 | PDA632 |

*Premium quality products are suitable for C10-C45 grade cured concrete with medium hard aggregates like limestone, sandstone, soft granite.

**Professional quality products are suitable for C30-C120 grade cured concrete with hard aggregates like flint, quartz, and hard granite, basalt.

Professional Road Saw Blades

Asphalt

PDA^{PRO}

LWPU-PDA-TC

| Product Code | Diameter (mm) | Diameter (inch) | Height (mm) | Thickness (mm) |
|------------------|---------------|-----------------|-------------|----------------|
| LWPU350-12TC-PDA | 374 | 14" | 12 | 4.0 |
| LWPU400-14TC-PDA | 424 | 16" | 12 | 4.0 |
| LWPU450-16TC-PDA | 450 | 18" | 12 | 4.0 |
| LWPU500-17TC-PDA | 500/524 | 20" | 12 | 4.0 |
| LWPU600-21TC-PDA | 610/628 | 24" | 12 | 4.0 |
| LWPU650-22TC-PDA | 650/678 | 26" | 12 | 4.0 |
| LWPU750-27TC-PDA | 780 | 30" | 12 | 4.0 |
| LWPU900-32TC-PDA | 932 | 36" | 12 | 4.7 |

PDA^{PRO} guarantees the consistent fast and durable cutting. Multiple bond options fulfill all kinds of asphalt cutting with different aggregates.

Laser Welded segments with gullets protection avoid undercutting.

Recommended for the professional cutting with sufficient water coolant.



LWA-2

| Product Code | Diameter (mm) | Diameter (inch) | Height (mm) | Thickness (mm) |
|--------------|---------------|-----------------|-------------|----------------|
| LWA-2-350 | 350 | 14" | 12/14 | 3.4/4.0 |
| LWA-2-400 | 400 | 16" | 12/14 | 3.4/4.0 |
| LWA-2-450 | 450 | 18" | 12/14 | 3.4/4.0 |
| LWA-2-500 | 500 | 20" | 12/14 | 3.4/4.0/4.2 |
| LWA-2-600 | 600 | 24" | 12/14 | 4.0/4.2/4.7 |
| LWA-2-650 | 650 | 26" | 12/14 | 4.0/4.2/4.7 |
| LWA-2-750 | 750 | 30" | 12/14 | 4.0/4.2/4.7 |
| LWA-2-800 | 800 | 32" | 12/14 | 4.5 |
| LWA-2-900 | 900 | 36" | 12/14 | 4.2/4.7 |
| LWA-2-1000 | 1050 | 42" | 12/14 | 4.5 |
| LWA-2-1200 | 1200 | 48" | 12/14 | 4.7 |

Laser Welded blades with 12 mm or 14 mm segments for the professional cutting of asphalt.

Advanced metal powder alloying technology plus high diamond concentration guarantees the exceptional performance.

Recommended for the professional cutting with sufficient water coolant.

Application Instruction:

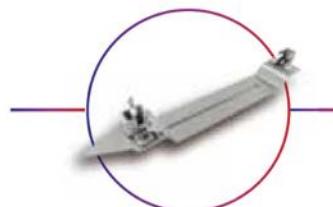


| Machine Power | Powered by | Blades Diameter | Recommended bond # | |
|---------------|-----------------|-----------------|--------------------|----------------|
| | | | Premium* | Professional** |
| <25 KW | Electric, Petro | 350-1000 mm | LW350 | PDA660 |
| 25-60 KW | Petro, Desiel | 350-1500 mm | LW760 | PDA665 |

*Premium products are suitable for asphalt or fresh concrete.

**Professional products are suitable for asphalt and fresh concrete with hard aggregates in a better life.

Early Entry Blades



LW-TAH

| Product Code | Diameter (mm) | Height (mm) |
|--------------|---------------|-------------|
| LW150-TAH | 150 | 10 |
| LW200-TAH | 200 | 10 |
| LW250-TAH | 250 | 10 |
| LW300-TAH | 300 | 10 |
| LW350-TAH | 340 | 10 |

Laser Welded blades for Early Entry of Green Concrete.

Patented products for SOFF-CUT and other brands of early entering saws.

SKID PLATES

| Part # | Application: |
|----------------|---|
| CSP 6-8 | SKID PLATE for 6" & 8" blades |
| CSP 9-10 | SKID PLATE for 10" blades |
| CSP 12-14 | SKID PLATE for 12" & 13½" & 14" blades |
| CSP 6-8 T025 | SKID PLATE for 6" & 8" blades .250 Thick |
| CSP 9-10 T025 | SKID PLATE for 10" blades .250 Thick |
| CSP 12-14 T025 | SKID PLATE for 12" & 13½" & 14" blades .250 Thick |



What is SOFF-CUT?

Soff cutting road saws are designed to get onto the concrete slab earlier than conventional floor / road saws. They are designed to carry out expansion cutting within two hours of finishing and before final set of concrete. Soff cut machines are designed to cut from 25—75mm in depth.



Loop Blades



| HFTKD | | | |
|--------------|---------------|-------------|-----------------------------|
| Product Code | Diameter (mm) | Height (mm) | Thickness (mm) |
| HFTKD300 | 300 | 10 | 6.0, 8.0, 10.0, 12.0 |
| HFTKD350 | 350 | 10 | 6.0, 8.0, 10.0, 12.0, 15.20 |
| HFTKD400 | 400 | 10 | 6.0, 8.0, 10.0, 12.0, 15.20 |
| HFTKD450 | 450 | 10 | 6.0, 8.0, 10.0, 12.0 |

Segments thicknesses in 6.0 mm-8.0 mm-10.0 mm-12.0 mm-15.0 mm -20 mm fulfill any demand of slots cutting.

Blades for slot cutting for electric and electronic cables as installation of traffic loops on concrete or asphalt made road. Can also be used in other joint widening applications.

Recommended for the professional cutting with sufficient water coolant.

Protection in Core



Pre-stressed Concrete Blades



| HF | | | |
|--------------|---------------|------------|----------------|
| Product Code | Diameter (mm) | Height(mm) | Thickness (mm) |
| LWU600 | 600 | 12 | 6.35 |
| HF800 | 800 | 12 | 8.0 |
| HF900 | 900 | 10 | 6.35 |
| HF900 | 900 | 12 | 8.0 |
| HF900 | 900 | 15 | 8.0 |
| HF1100 | 1100 | 12 | 8.0 |
| HF1300 | 1300 | 12 | 8.0 |

Diamond blades for the industrial cutting of Pre-cast Concrete, Pre-stressed Concrete, Composite Hollow Concrete and other type of concrete made blocks with steel bars reinforced.

Recommended for specialized operators with sufficient water coolant.

Advantages:

- Professional Quality Diamonds
- Bond Matrix Optimized
- Undercutting Protection
- Heat-treated Steel Bodies

What is Pre-stressed Concrete ?

Pre-stressed concrete is a type of reinforced concrete that builds in compressive stresses during fabrication to oppose those that occur when in use. It can be used to produce beams with a longer span than is practical with ordinary reinforced concrete.



Wall Saw Blades

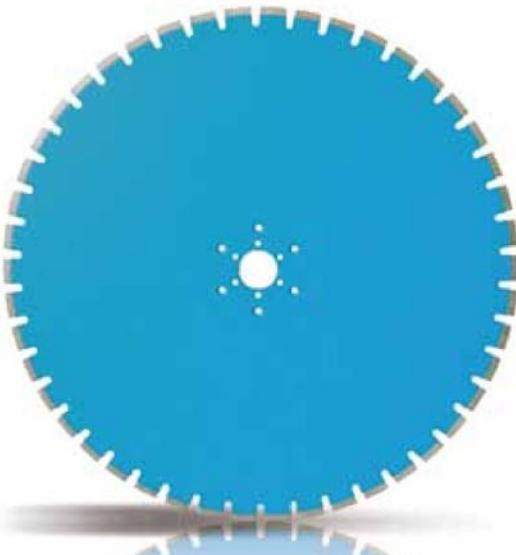
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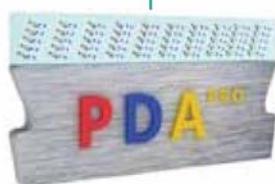
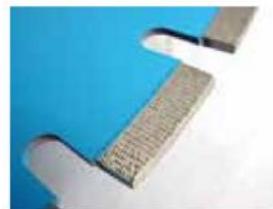
Wall Saw Blades

Cured Concrete



PDA^{PRO}

| Product Code | Diameter (mm) | Height (mm) | Length (mm) | Thickness (mm) |
|---------------|---------------|-------------|-------------|-----------------|
| LWUWS450-PDA | 450 | 12 | 40 | 4.0 |
| LWUWS500-PDA | 500 | 12 | 40 | 4.0 |
| LWUWS550-PDA | 550 | 12 | 40 | 4.0 |
| LWUWS600-PDA | 600 | 12 | 40 | 4.0/4.5/4.7/5.0 |
| LWUWS650-PDA | 650 | 12 | 40 | 4.0/4.5/4.7/5.0 |
| LWUWS700-PDA | 700 | 12 | 40 | 4.0/4.5 |
| LWUWS750-PDA | 750 | 12 | 40 | 4.0/4.5 |
| LWUWS800-PDA | 800 | 12 | 40 | 4.0/4.5/4.7/5.0 |
| LWUWS900-PDA | 900 | 12 | 40 | 4.5/4.7/5.0 |
| LWUWS1000-PDA | 1000 | 12 | 40 | 4.5/4.7 |
| LWUWS1200-PDA | 1200 | 12 | 40 | 4.5/4.7 |
| HFUWS1600-PDA | 1600 | 12 | 40 | 4.5/4.7 |



Features **PDA^{PRO}** the most advanced diamond pattern for fast cutting through reinforced concrete and long blade life.

Diameters up to 2200 mm, laser welded blades up to 1200 mm, multiple segment thicknesses for different cutting options.



PDA^{PRO}

| Product Code | Diameter (mm) | Height (mm) | Length (mm) | Thickness (mm) |
|----------------|---------------|-------------|-------------|-----------------|
| LWSUWS500-PDA | 500 | 12 | 24 | 4.0 |
| LWSUWS550-PDA | 550 | 12 | 24 | 4.0 |
| LWSUWS600-PDA | 600 | 12 | 24 | 4.0/4.5/5.0 |
| LWSUWS650-PDA | 650 | 12 | 24 | 4.0/4.5/5.0 |
| LWSUWS700-PDA | 700 | 12 | 24 | 4.0/4.5 |
| LWSUWS750-PDA | 750 | 12 | 24 | 4.0/4.5 |
| LWSUWS800-PDA | 800 | 12 | 24 | 4.0/4.5/4.7/5.0 |
| LWSUWS900-PDA | 900 | 12 | 24 | 4.5 |
| LWSUWS1000-PDA | 1000 | 12 | 24 | 4.5 |
| LWSUWS1200-PDA | 1200 | 12 | 24 | 4.5 |
| HFSUWS1600-PDA | 1600 | 12 | 24 | 4.5 |



LWUWS

| Product Code | Diameter (mm) | Height (mm) | Length (mm) | Thickness (mm) |
|--------------|---------------|-------------|-------------|-----------------|
| LWUWS450 | 450 | 12 | 40 | 5.0 |
| LWUWS500 | 500 | 12 | 40 | 4.0 |
| LWUWS550 | 550 | 12 | 40 | 4.5 |
| LWUWS600 | 600 | 12 | 40 | 4.5/4.7/5.0 |
| LWUWS650 | 650 | 12 | 40 | 4.5/5.0 |
| LWUWS700 | 700 | 10/12 | 40 | 4.0/4.5 |
| LWUWS750 | 750 | 10/12 | 40 | 4.5/4.7 |
| LWUWS800 | 800 | 10/12 | 40 | 4.5/4.7/5.0/6.0 |
| LWUWS900 | 900 | 10/12 | 40 | 4.5/4.7 |
| LWUWS1000 | 1000 | 10/12 | 40 | 4.5 |
| LWUWS1200 | 1200 | 10/12 | 40 | 4.5 |
| HFUWS1600 | 1600 | 10/12 | 40 | 4.5 |



Laser Welded blades with V- Segments, the best cost-effective wall saw blades for hydraulic saws and high frequency electric saws.

Diameters up to 2200 mm, laser welded blades up to 1200 mm, multiple segment thicknesses for different cutting options.

Recommended for the professional cutting with sufficient water coolant.

A Range of Pattern Hole Designs for the Popular Wall Saws in Market.



Application Instruction:



| Machine Power | Power Source | Blades Diameter | Recommended bond # | |
|---------------|------------------------|-----------------|--------------------|----------------|
| | | | Premium* | Professional** |
| <12 KW | Electric | 450-1000 mm | WS409 | PDA431 |
| 12-40 KW | HF Electric, Hydraulic | 600-2200 mm | WS620 | PDA731 |

*Premium quality products are suitable for medium hard reinforced concrete.

**Professional quality products are suitable for heavily reinforced concrete with hard aggregates.

High Frequency Saws



What is a High-frequency Handheld Saw?

A high frequency demolition saw that cuts wet or dry, with good control of work due to minimal gyroscopic forces and low vibrations. Features an easily adjustable water flow, lightweight, compact power pack and LED load indicator.



Typical High Frequency Concrete Saws



High Frequency Saws

NEW



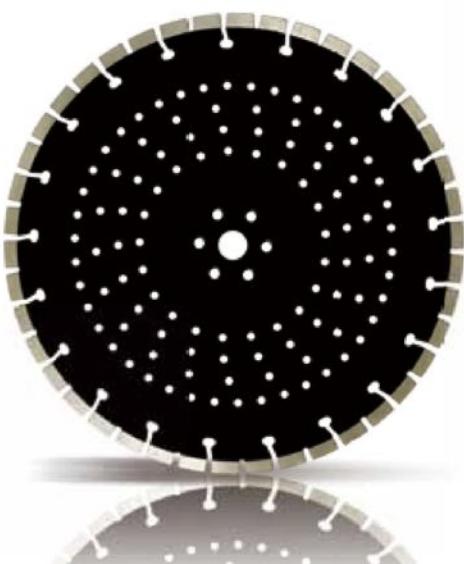
LWPSDS-PDA

| Product Code | Diameter (mm) | Height (mm) | Thickness (mm) | Arbor (mm) |
|---------------|---------------|-------------|----------------|-----------------------|
| LWPSDS350-PDA | 350 | 12.5 | 2.6 | 25.4 with Flush Holes |
| LWPSDS400-PDA | 400 | 12.5 | 2.6 | 25.4 with Flush Holes |
| LWPSDS400-PDA | 400 | 12.5 | 3.5 | 25.4 with Flush Holes |
| LWPSDS400-PDA | 400 | 12.5 | 4.2 | 25.4 with Flush Holes |
| LWPSDS450-PDA | 450 | 12.5 | 4.0 | 25.4 with Flush Holes |

Laser Welded blades specially developed for HF Electric Handheld Saws, **PDA^{PRO}** premium quality for cutting hard concrete with steel bars, weight reduced with multiple cooling holes, extra arbor pattern holes for flush cutting.

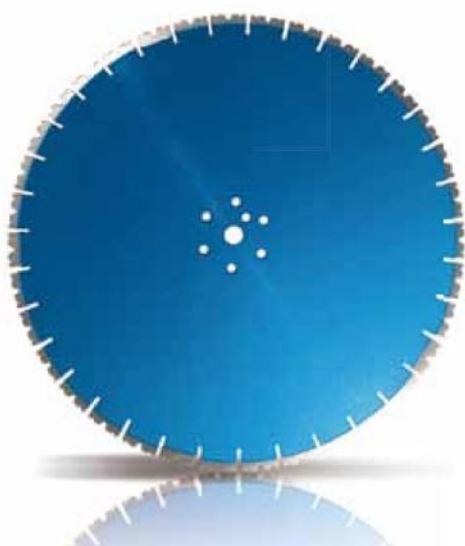
Approved to EN12236, safe cutting guaranteed.

Ideal for the professional cutting with sufficient water coolant, good for dry cutting.



LWSQDS-PDA

| Product Code | Diameter (mm) | Height (mm) | Thickness (mm) | Arbor (mm) |
|---------------|---------------|-------------|----------------|-----------------------|
| LWSQDS350-PDA | 350 | 12.5 | 2.8 | 25.4 with Flush Holes |
| LWSQDS400-PDA | 400 | 12.5 | 2.8 | 25.4 with Flush Holes |



LW-3V

| Product Code | Diameter (mm) | Height (mm) | Thickness (mm) | Arbor (mm) |
|--------------|---------------|-------------|----------------|-----------------------|
| LW400-3V | 400 | 10 | 3.2 | 25.4 with Flush Holes |
| LW450-3V | 450 | 10 | 4.0 | 25.4 with Flush Holes |
| LW500-3V | 500 | 10 | 4.0 | 25.4 with Flush Holes |
| LW600-3V | 600 | 10 | 4.0 | 25.4 with Flush Holes |

Ring Saw Blades



LWRS-PDA

| Product Code | Diameter (mm) | Height (mm) | Thickness (mm) | Grooves in Core |
|-----------------|---------------|-------------|----------------|-----------------|
| LWRS-1HU350-PDA | 370 | 12 | 4.0/4.2/6.0 | 1 |
| LWRS-1HU400-PDA | 420 (16.5") | 12 | 4.2 | 1 |
| LWRS-1TY400-PDA | 415 | 12 | 4.0 | 1 |
| LWRS-1TY500-PDA | 517 | 12 | 4.0 | 1 |
| LWRS-2WK400-PDA | 410 | 12 | 4.0/4.2 | 2 |
| LWRS-3AG330-PDA | 330 | 12 | 4.0 | 3 |
| LWRS-3AG400-PDA | 410 | 12 | 4.0 | 3 |

Series of Ring Saw Blades for Husqvarna/ Weka/ AGP and other popular brands of Ring Saws.

Features **PDA^{PRO}** the most advanced diamond pattern arraying technology, for fast cutting through reinforced concrete.

Laser Welded segments guarantee the safe cutting.

| Product Code | Diameter (mm) | Height (mm) | | Thickness (mm) | Grooves in Core |
|-----------------|---------------|-------------|----|----------------|-----------------|
| LWRS-1HU350 | 370 | 12 | 10 | 7 | 4.2/6.35(10) |
| LWRS-1HU400-WTS | 420 (16.5") | | 12 | | 4.2 |
| LWRS-2WK400 | 410 | | 10 | | 4.0 |
| LWRS-3AG330 | 330 | | 10 | | 4.0 |
| LWRS-3AG400 | 400 | | 10 | | 4.0 |

LWRS



V-Tech™

| Product Code | Diameter (mm) | Height (mm) | Thickness (mm) | Grooves in Core |
|-----------------|---------------|-------------|----------------|-----------------|
| LWRS-1HU350-B07 | 370 | 8 | 4.0 | 1 |
| LWRS-3AG400-B07 | 400 | 8 | 4.0 | 3 |

LWRS-V-TECH



Power Cutters Table Saws Low Power Road Saws Battery Saws

THE GLOBAL CUTTER'S WAY

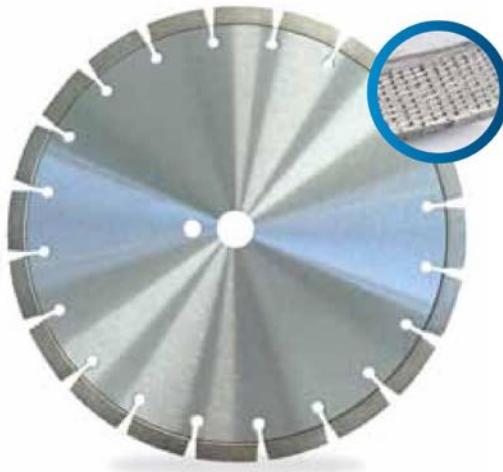


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INFO@ALZR.COM

Laser Welded Blades



Cured Concrete, Stones & Hard Materials



PDA^{PRO}

LW-PDA

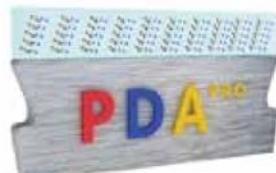
| Product Code | Diameter(mm) | Height(mm) | Length(mm) |
|--------------|--------------|------------|------------|
| LW115-PDA | 115 | 12 | 40 |
| LW125-PDA | 125 | 12 | 40 |
| LW180-PDA | 180 | 12 | 40 |
| LW230-PDA | 230 | 12 | 40 |
| LW300-PDA | 300 | 12 | 40 |
| LW350-PDA | 350 | 12 | 40 |
| LW400-PDA | 400/414 | 12 | 40 |
| LW450-PDA | 450 | 12 | 40 |
| LW500-PDA | 500 | 12 | 40 |
| LW600-PDA | 600 | 12 | 40 |

PDA^{PRO} for the maximum performance and consistency of blades.

Laser Welded Blades for Cure Concrete, Hard Bricks, Pavers, Granite and other Hard Materials. Approved to EN13236 and oSa requirements, safe cutting guaranteed.

105 mm -230 mm are recommended for angle grinders, tables saws and portable saws.

300 mm- 1200 mm are suitable for power cutters, masonry saws and low power road saws.



PDA^{PRO}

LWSL-PDA

| Product Code | Diameter(mm) | Height(mm) | Length(mm) |
|--------------|--------------|------------|------------|
| LWSL230-PDA | 230 | 12 | 24 |
| LWSL300-PDA | 300 | 12 | 24 |
| LWSL350-PDA | 350 | 12 | 24 |
| LWSL400-PDA | 400/414 | 12 | 24 |
| LWSL450-PDA | 450 | 12 | 24 |
| LWSL500-PDA | 500 | 12 | 24 |

Laser Welded Blades

Cured Concrete, Stones & Hard Materials

NEW



PDA^{PRO}

LW-PST-PDA

| Product Code | Diameter(mm) | Height(mm) | Length(mm) |
|---------------|--------------|------------|------------|
| LW230-PST-PDA | 230 | 12 | 40 |
| LW300-PST-PDA | 300 | 12 | 40 |
| LW350-PST-PDA | 350 | 12 | 40 |
| LW400-PST-PDA | 400 | 12 | 40 |

NEW



PDA^{PRO}

LW-FAN-PDA

| Product Code | Diameter(mm) | Height(mm) | Length(mm) |
|-----------------|--------------|------------|------------|
| LWSU230-FAN-PDA | 230 | 17 | 38 |
| LWSU300-FAN-PDA | 300 | 17 | 38 |
| LWSU350-FAN-PDA | 350 | 17 | 38 |
| LWSU400-FAN-PDA | 400 | 17 | 38 |
| LWSU450-FAN-PDA | 450 | 17 | 38 |

Laser Welded PDA blades for Cure Concrete, Hard Bricks, Pavers, Granite and other Hard Materials.

Approved to EN13236 and oSa requirements, safe cutting guaranteed.



General Application Instruction:

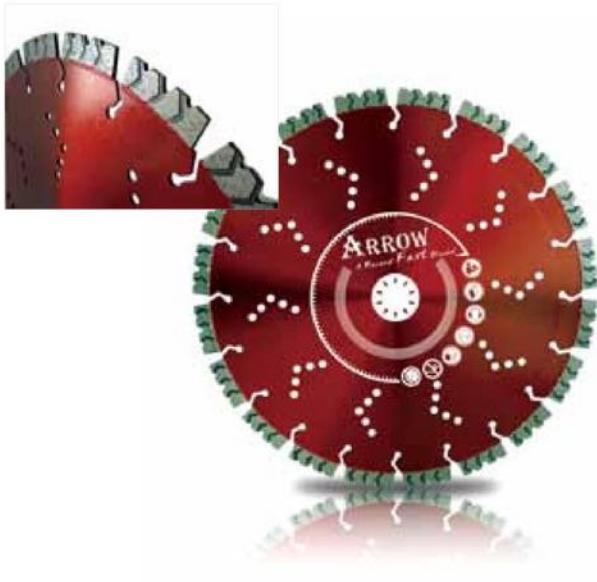
| Diameter(mm) | Application | Recommended Quality |
|---|--|---------------------|
| 105-1200 | Lightly Reinforced Concrete, Bricks, Blocks, Granite | Standard** |
| 105-1200 | Heavily Reinforced Concrete, Hard Bricks, Pavers, Hard Clays | Premium*** |
| **Standard range: equalized performance of both cutting speed and life, suitable for general cutting. | | |
| ***Premium range: suitable for any demanding cutting like heavily reinforced concrete in C20-C45, granite and other hard materials. | | |

Laser Welded Blades



Cured Concrete, Stones & Hard Materials

ARROW®



The original ARROW turbo segments in brand-new bond provides a unique solution of smoothly cutting nearly all hard materials, including Reinforced Concrete, Granite, Clay Blocks, Hard Paviors.

Laser welded, Approved to EN13236 and oSa requirements, safe cutting guaranteed.

LWEB-GYT

| Product Code | Diameter (mm) | Height (mm) | |
|--------------|---------------|-------------|----|
| LWEB115-GYT | 115 | 12 | 12 |
| LWEB125-GYT | 125 | | 12 |
| LWEB150-GYT | 150 | | 12 |
| LWEB180-GYT | 180 | | 12 |
| LWEB230-GYT | 230 | 15 | 15 |
| LWEB300-GYT | 300 | | 15 |
| LWEB350-GYT | 350 | | 15 |
| LWEB400-GYT | 400/414 | 12 | 15 |
| LWEB450-GYT | 450 | 12 | 15 |
| LWEB500-GYT | 500 | 12 | 15 |
| LWEB600-GYT | 600 | 12 | 15 |



Swordfish is one of the fastest fish in the world and a fast-cutting blade as well. Streamline ladder shape segments in latest bond guarantees smooth cutting with least friction.

Laser welded, Approved to EN13236 and oSa requirements, safe cutting guaranteed.

LWRA-CWT

| Product Code | Diameter(mm) | Height(mm) |
|--------------|--------------|------------|
| LWRA115-CWT | 115 | 13 |
| LWRA125-CWT | 125 | 13 |
| LWRA150-CWT | 150 | 13 |
| LWRA180-CWT | 180 | 13 |
| LWRA230-CWT | 230 | 13 |
| LWRA300-CWT | 300 | 13 |
| LWRA350-CWT | 350 | 13 |
| LWRA400-CWT | 400 | 13 |
| LWRA450-CWT | 450 | 13 |
| LWRA600-CWT | 600 | 13 |

General Application Instruction:



| Diameter(mm) | Application | Recommended Quality |
|--------------|--|---------------------|
| 115-600 | Heavily Reinforced Concrete, Hard Bricks, Pavers, Hard Clays | Premium*** |

***Premium range: suitable for any demanding cutting like heavily reinforced concrete in C20-C45, granite and other hard materials.

Laser Welded Blades

Cured Concrete, Stones & Hard Materials

NEW



LW-XCT

| Product Code | Diameter(mm) | Height(mm) | Length(mm) |
|--------------|--------------|------------|------------|
| LWS125-XCT | 125 | 12 | 32 |
| LWS180-XCT | 180 | 12 | 32 |
| LWS230-XCT | 230 | 12 | 32 |
| LWS300-XCT | 300 | 12 | 32 |
| LWS350-XCT | 350 | 12 | 32 |
| LWS400-XCT | 400 | 12 | 32 |

12 mm XCT Turbo Segments, Optimized Cutting Speed.

Laser Welded, Approved to EN13236 and oSa requirements, safe cutting guaranteed.

NEW



LW-NT

| Product Code | Diameter(mm) | Height(mm) | Length(mm) |
|--------------|--------------|------------|------------|
| LWPS230-NT | 230 | 12 | 40 |
| LWPS300-NT | 300 | 12 | 40 |
| LWPS350-NT | 350 | 12 | 40 |

Series of brand-new blades for Cured Concrete, Bricks, Pavers, Granites and other Hard materials.

Laser Welded, Approved to EN13236 and oSa requirements, safe cutting guaranteed.

Exceptional performance to get all your cutting demand satisfied.



General Application Instruction:

| Diameter(mm) | Application | Recommended Quality |
|--------------|---|---------------------|
| 115-600 | Lightly Reinforced Concrete, Bricks, Blocks, Granite | Standard** |
| 115-600 | Heavily Reinforced Concrete, Hard Bricks, Pavers, Clays | Premium*** |

**Standard range: equalized in both cutting speed and life, very suitable for general contractors.

***Premium range: for any demanding cutting like heavily reinforced concrete in C20-C45, granite and other very hard materials.

Laser Welded Blades

Cured Concrete, Stones & Hard materials



LWEDS-ALT

| Product Code | Diameter(mm) | Height(mm) | Length(mm) |
|--------------|--------------|------------|------------|
| LWEDS150-ALT | 150 | 10 | 2.4 |
| LWEDS230-ALT | 230 | 10 | 2.4 |
| LWEDS300-ALT | 300 | 10 | 2.8 |
| LWEDS350-ALT | 350 | 10 | 2.8 |
| LWEDS400-ALT | 400 | 10 | 2.8 |
| LWEDS500-ALT | 500 | 10 | 2.8 |

Series of brand-new blades for Cured Concrete, Bricks, Pavers, Granites and other Hard materials.

Laser Welded, Approved to EN13236 and oSa requirements, safe cutting guaranteed.

Exceptional performance to get all your cutting demand satisfied.

LWT

| Product Code | Diameter(mm) | Height(mm) | Length(mm) |
|-----------------|--------------|------------|------------|
| LWT300-UST-GVT7 | 300 | 10/6 | 3.5 |
| LWT350-UST-GVT7 | 350 | 10/6 | 3.5 |
| LWT400-UST-GVT7 | 400 | 10/6 | 3.5 |



Laser Welded blades with side-protection for iron cutting.



Laser Welded Blades

Cured Concrete, Stones & Hard Materials

What are the Benefits of Cooling Holes in Core?

Cooling holes in blades will keep the steel core cool and will prevent distorting of that core, keeping the segments cool will improve the cutting speed and life. Cooling holes also help reducing the weight of blades.



LW-3V-KC

| Product Code | Diameter(mm) | Height(mm) |
|--------------|--------------|------------|
| LW200-3V | 200 | 10 |
| LW230-3V | 230 | 10/12/15 |
| LW250-3V | 250 | 10 |
| LW300-3V | 300 | 10/15 |
| LW350-3V | 350 | 10/15 |
| LW400-3V | 400 | 10/12/15 |
| LW450-3V | 450 | 10 |
| LW500-3V | 500 | 10 |
| LW600-3V | 600 | 10 |



A range of Laser Welded blades with multiple Cooling Holes in steel cores.

Best choice for the working condition with limited water cooling.

JOY TECH's original cooling hole designs are strictly in conform of European safety standards EN13236.

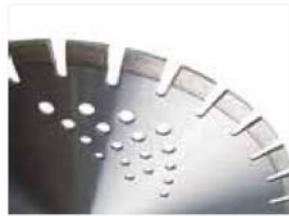
LWPS-UST-CGK02

| Product Code | Diameter (mm) | Height (mm) | | |
|-------------------|---------------|-------------|----|----|
| LWPS230-UST-CGK02 | 230 | 10 | 12 | 15 |
| LWPS300-UST-CGK02 | 300 | 10 | 12 | 15 |
| LWPS350-UST-CGK02 | 350 | 10 | 12 | 15 |
| LWPS400-UST-CGK02 | 400 | 10 | 12 | 15 |
| LWPS450-UST-CGK02 | 450 | 10 | 12 | 15 |
| LWPS500-UST-CGK02 | 500 | 10 | 12 | 15 |
| LWPS600-UST-CGK02 | 600 | 10 | 12 | 15 |

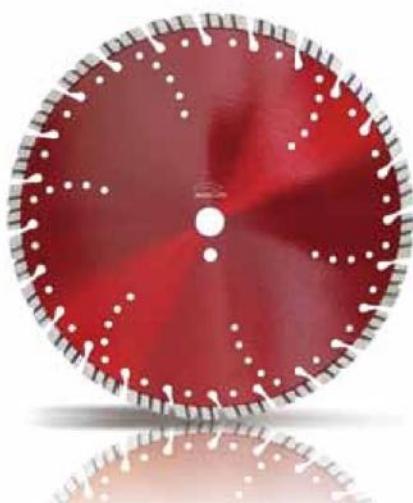
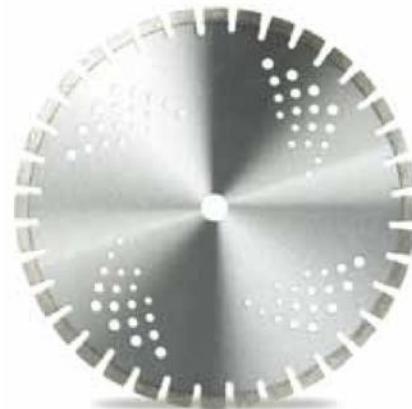


Laser Welded Blades

Cured Concrete, Stones & Hard Materials



| LWUKQ | | SHORT |
|--------------|--------------|------------|
| Product Code | Diameter(mm) | Height(mm) |
| LWUKQ230 | 230 | 12 |
| LWUKQ300 | 300 | 12 |
| LWUKQ350 | 350 | 12 |
| LWUKQ400 | 400 | 12 |
| LWUKQ450 | 450 | 12 |



LWPS-XVT3

| Product Code | Diameter(mm) | Height(mm) | |
|--------------|--------------|------------|----|
| LWPS115-XVT3 | 115 | 10 | 12 |
| LWPS125-XVT3 | 125 | 10 | 12 |
| LWPS150-XVT3 | 150 | 10 | 12 |
| LWPS180-XVT3 | 180 | 10 | 12 |
| LWPS230-XVT3 | 230 | 10 | 12 |
| LWPS300-XVT3 | 300 | 10 | 12 |
| LWPS350-XVT3 | 350 | 10 | 12 |



LWKQ-ALT

| Product Code | Diameter(mm) | Height(mm) | |
|--------------|--------------|------------|----|
| LWKQ230-ALT | 230 | 10 | 12 |
| LWKQ300-ALT | 300 | 10 | 12 |
| LWKQ350-ALT | 350 | 10 | 12 |
| LWKQ400-ALT | 400 | 10 | 12 |
| LWKQ450-ALT | 450 | 10 | 12 |
| LWKQ500-ALT | 500 | 10 | 12 |



Laser Welded Blades

Cured Concrete, Stones & Hard Materials



| LW | | | | |
|--------------|---------------|-------------|----|----|
| Product Code | Diameter (mm) | Height (mm) | | |
| LW105 | 105 | 7 | 10 | |
| LW115 | 115 | 7 | 10 | 12 |
| LW125 | 125 | 7 | 10 | 12 |
| LW180 | 180 | 7 | 10 | 12 |
| LW230 | 230 | 7 | 10 | 12 |
| LW300 | 300 | 7 | 10 | 12 |
| LW350 | 350 | 7 | 10 | 12 |
| LW400 | 400/414 | 7 | 10 | 12 |
| LW450 | 450 | | 10 | 12 |
| LW500 | 500 | | 10 | 12 |
| LW600 | 600 | | 10 | 12 |
| LW700 | 700 | | 10 | 12 |
| LW800 | 800 | | 10 | 12 |
| LW900 | 900 | | 10 | 12 |
| LW1000 | 1000 | | 10 | 12 |
| LW1200 | 1200 | | 10 | 12 |

For Cured Concrete, Hard Bricks, Pavers, Granites and other Hard Materials.

Laser Welded, Approved to EN13236 and oSa requirements, safe cutting guaranteed.
Diameter up to 1200 mm.

LWT-UST

| Product Code | Diameter (mm) | Height (mm) | |
|--------------|---------------|-------------|----|
| LWT115-UST | 115 | 10 | 12 |
| LWT125-UST | 125 | 10 | 12 |
| LWT180-UST | 180 | 10 | 12 |
| LWT230-UST | 230 | 10 | 12 |
| LWT300-UST | 300 | 10 | 12 |
| LWT350-UST | 350 | 10 | 12 |
| LWT400-UST | 400/414 | 10 | 12 |
| LWT450-UST | 450 | 10 | 12 |
| LWT500-UST | 500 | 10 | 12 |
| LWT600-UST | 600 | 10 | 12 |



LWT-WTS

| Product Code | Diameter (mm) | Height (mm) | |
|--------------|---------------|-------------|----|
| LWT230-WTS | 230 | 12 | 15 |
| LWT300-WTS | 300 | 12 | 15 |
| LWT350-WTS | 350 | 12 | 15 |
| LWT400-WTS | 400 | 12 | 15 |
| LWT450-WTS | 450 | 12 | 15 |



General Application Instruction:

| Diameter(mm) | Application | Recommended Quality |
|--------------|--|---------------------|
| 105-800 | General Building Materials | Economic* |
| 105-1200 | Lightly Reinforced Concrete, Bricks, Blocks, Granite | Standard** |
| 105-1200 | Heavily Reinforced Concrete, Hard Bricks, Pavers, Hard Clays | Premium*** |

*Economic range: cost-effective, the best choice for DIY users.

**Standard range: equalized performance in both cutting speed and life, very suitable for general contractors.

***Premium range: for any demanding cutting like heavily reinforced concrete in C20-C50, and other hard materials.

Laser Welded Blades

Asphalt and Fresh Concrete

LWUD-3

| Product Code | Diameter (mm) | Height (mm) |
|--------------|---------------|-------------|
| LWUD-3-300 | 300 | 10 |
| LWUD-3-350 | 350 | 10 |
| LWUD-3-400 | 400 | 10 |
| LWUD-3-450 | 450 | 10 |
| LWUD-3-500 | 500 | 10 |
| LWUD-3-600 | 600 | 10 |



LWUD-1



Drop segment

LWUD-2



Slant segment

LWUD-3



Wedge segment

For cutting Asphalt, Fresh Concrete and Abrasive materials.

Laser Welded, Approved to EN13236 and oSa requirements, safe cutting guaranteed.

Wide gullets in steel core clear debris faster when cutting through abrasive materials.

Undercutting protection with Drop, Slant or Wedge segments in core.

LWD-3

| Product Code | Diameter (mm) | Height (mm) |
|--------------|---------------|-------------|
| LWD-3-300 | 300 | 10 |
| LWD-3-350 | 350 | 10 |
| LWD-3-400 | 400 | 10 |
| LWD-3-450 | 450 | 10 |
| LWD-3-500 | 500 | 10 |
| LWD-3-600 | 600 | 10 |

| Product Code | Diameter (mm) | Height (mm) |
|---------------|---------------|-------------|
| LWD-3-300-PDA | 300 | 12 |
| LWD-3-350-PDA | 350 | 12 |
| LWD-3-400-PDA | 400 | 12 |
| LWD-3-450-PDA | 450 | 12 |



LWD-1



LWD-2



LWD-3



General Application Instruction:

| Diameter(mm) | Application | Recommended Quality |
|--------------|---|---------------------|
| 300-600 | Asphalt. Soft Concrete, | Economic* |
| 300-600 | Asphalt. Fresh Concrete, Abrasive materials | Standard** |
| 300-600 | Asphalt. Fresh Concrete, Abrasive materials | Premium*** |

* Economic range: cost-effective, the best choice for DIY users.

** Standard range: longer life, suitable for general contractors.

*** Premium range: very durable, suitable for professional contractors

Laser welded Blades

Combination Cutting - Concrete & Asphalt



LWSKD-1

| Product Code | Diameter (mm) | Height (mm) |
|-----------------|---------------|-------------|
| LWSKD-1-230-Alt | 230 | 10 12 |
| LWSKD-1-300-Alt | 300 | 10 12 |
| LWSKD-1-350-Alt | 350 | 10 12 |
| LWSKD-1-400-Alt | 400 | 10 12 |
| LWSKD-1-450-Alt | 450 | 10 12 |
| LWSKD-1-500-Alt | 500 | 10 12 |

One blade for both Concrete and Asphalt cutting.

Laser Welded, Approved to EN13236, equipped with wedge segment undercut protection and cooling holes in core. Safe cutting in both wet and dry conditions.



LWFUD-3

| Product Code | Diameter (mm) | Height (mm) |
|-----------------------|---------------|-------------|
| LWFUD-3-300-Alt-CGK01 | 300 | 12 |
| LWFUD-3-350-Alt-CGK01 | 350 | 12 |
| LWFUD-3-400-Alt-CGK01 | 400 | 12 |
| LWFUD-3-450-Alt-CGK01 | 450 | 12 |



LWD-1-PDA

| Product Code | Diameter (mm) | Height (mm) |
|---------------|---------------|-------------|
| LWD-1-300-PDA | 300 | 12 |
| LWD-1-350-PDA | 350 | 12 |
| LWD-1-400-PDA | 400 | 12 |
| LWD-1-450-PDA | 450 | 12 |

General Application Instruction:

| Diameter(mm) | Application | Recommended Quality |
|--------------|--|---------------------|
| 300-600 | Cured Concrete, Asphalt, Soft Concrete, | Economic* |
| 300-600 | Cured Concrete, Asphalt, Fresh Concrete, | Standard** |
| 300-600 | Reinforced Concrete, Asphalt, Abrasive materials | Premium*** |

*Economic range: cost-effective, the best choice for DIY users.

**Standard range: fast, longer life, suitable for contractors.

***Premium range: durable, fast cutting, suitable for professional contractors.

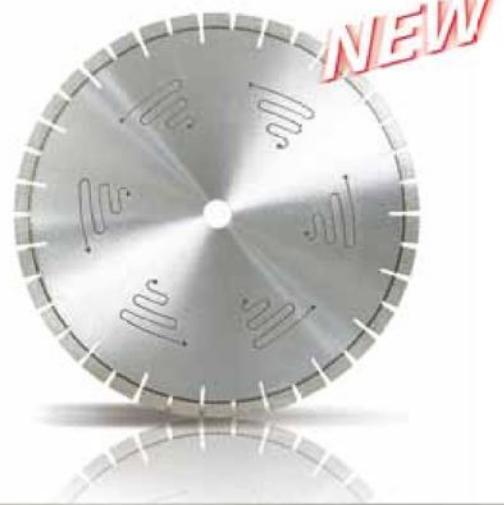
Battery Saws Blades

Cured Concrete, Stones & Hard Materials



LWFUMND

| Product Code | Diameter (mm) | Height (mm) | Thickness (mm) | Core Thickness (mm) |
|--------------|---------------|-------------|----------------|---------------------|
| LWFUMNDS230 | 230 | 12 | 2.4 | 1.6 |
| LWFUMNDS300 | 300 | 12 | 2.8 | 1.6 |
| LWFUMNDS350 | 350 | 12 | 2.8 | 1.8 |



WHAT'S THE HARM OF HIGH-FREQUENCY NOICE?

High-frequency noise causes two types of health effects: on the one hand objective health effects such as hearing loss (in case of protracted exposure) and on the other hand subjective effects which may already occur after a few minutes: headache, tinnitus, fatigue, dizziness and nausea.

Patented R-Silent Technology, a new generation of noise-reduced steel cores which have heat resistant rubber pressed into slots to absorb the vibration, reduces high-frequency noise up to 30% compared with the traditional steel cores. The steel cores are extra-thin, solid and tensile, very suitable for laser welded blades in both wet and dry cuttings.

Features R-Silent steel cores, Gang Yan's latest super-light blades are fast cutting, noise-reduced, making the concrete cutting more comfortable.

Laser welded, Approved to EN13236 and oSa requirements, safe cutting guaranteed.

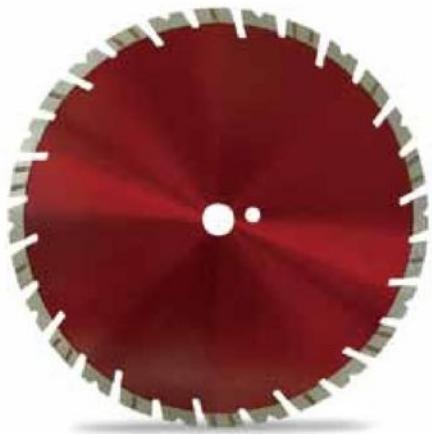


R-silent 

- 230 MM K535i,/STIHL TSA230/ MAKITA DCE090 /Milwaukee M18/ DEWALT FLEXVOLT
- 300 MM HUSQVARNA K1 ONE PACE/ Hilti DSH 600-22
- 350 MM HUSQVARNA K1 ONE PACE-350/ Milwaukee MX/

General Purpose Blades

Sintered Blades



AUT

| Product Code | Diameter(mm) | Height(mm) |
|--------------|--------------|------------|
| AUT115 | 115 | 13 |
| AUT125 | 125 | 13 |
| AUT230 | 230 | 15 |
| AUT300 | 300 | 15 |
| AUT350 | 350 | 15 |

Best choice for the working condition with limited water cooling.

Gang Yan's original cooling hole designs are strictly in conform of European safety standards EN13236.

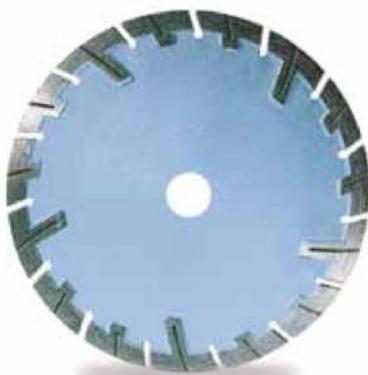
SUVT

| Product Code | Diameter(mm) | Height(mm) |
|--------------|--------------|------------|
| SUVT125 | 125 | 14 |
| SUVT230 | 230 | 14 |
| SUVT300 | 300 | 14 |
| SUVT350 | 350 | 14 |

Sintered blades in various designs totally satisfied all your demands in general cutting.

Recommended for angle grinders, masonry saws, portable saws, power cutters.

Approved to EN13236, safe and cost-effective cutting solution.



HPATP

| Product Code | Diameter(mm) | Height(mm) |
|--------------|--------------|------------|
| HPATP105 | 105 | 10 |
| HPATP115 | 115 | 10 |
| HPATP125 | 125 | 10 |
| HPATP180 | 180 | 10 |
| HPATP230 | 230 | 10 |
| HPATP300 | 300 | 10 |
| HPATP350 | 350 | 10 |

Protection in Core

General Purpose Blades

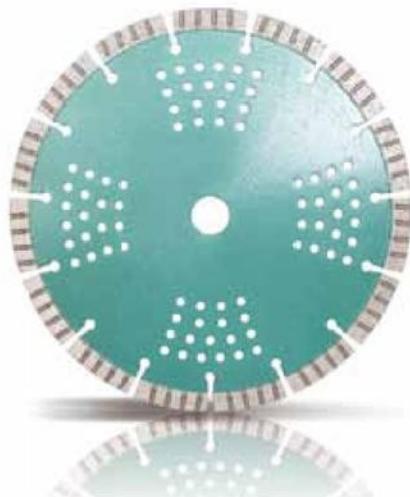
Sintered Blades

AST

| Product Code | Diameter(mm) | Height(mm) |
|--------------|--------------|------------|
| AST230 | 230 | 12 |
| AST300 | 300 | 15 |
| AST350 | 350 | 15 |

Best choice for the working condition with limited water cooling.

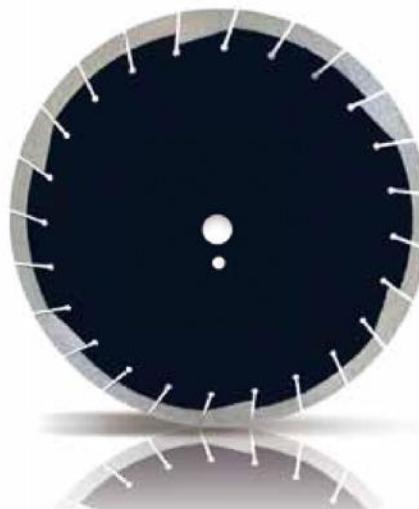
Gang Yan's original cooling hole designs are strictly in conform of European safety standards EN13236.



SD-3

| Product Code | Diameter(mm) | Height(mm) |
|--------------|--------------|------------|
| 10SD-3-300 | 300 | 10 |
| 10SD-3-350 | 350 | 10 |

Asphalt, Green, Concrete.



HPABFK

| Product Code | Diameter(mm) | Height(mm) |
|--------------|--------------|------------|
| 10HPABFK230 | 230 | 10 |
| 10HPABFK300 | 300 | 10 |
| 10HPABFK350 | 350 | 10 |

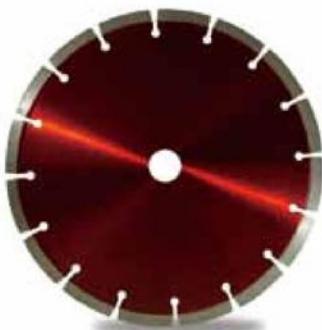
Sintered blades in various designs totally satisfied all your demands in general cutting.

Recommended for angle grinders, masonry saws, portable saws, power cutters.

Approved to EN13236, safe and cost-effective cutting solution.

General Purpose Blades

Sintered Blades



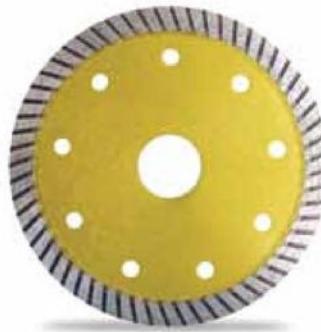
| A | | | |
|--------------|--------------|------------|----|
| Product Code | Diameter(mm) | Height(mm) | |
| A105 | 105 | 7 | 10 |
| A115 | 115 | 7 | 10 |
| A125 | 125 | 7 | 10 |
| A180 | 180 | 7 | 10 |
| A230 | 230 | 7 | 10 |
| A300 | 300 | 7 | 10 |
| A350 | 350 | 7 | 10 |

Cost-effective sintered blades in various designs totally satisfied all your requirements in general cutting of construction materials.

The ranges of blades are recommended for angle grinders, masonry saws, portable saws and handheld cutters.

AB

| Product Code | Diameter(mm) | Height(mm) | |
|--------------|--------------|------------|----|
| AB105 | 105 | 7 | 10 |
| AB115 | 115 | 7 | 10 |
| AB125 | 125 | 7 | 10 |
| AB180 | 180 | 7 | 10 |
| AB230 | 230 | 7 | 10 |
| AB300 | 300 | 7 | 10 |
| AB350 | 350 | 7 | 10 |



DT

| Product Code | Diameter(mm) | Height(mm) | |
|--------------|--------------|------------|--|
| DT105 | 105 | 10 | |
| DT115 | 115 | 10 | |
| DT125 | 125 | 10 | |
| DT180 | 180 | 10 | |
| DT230 | 230 | 10 | |
| DT300 | 300 | 10 | |
| DT350 | 350 | 10 | |

CUT & GRIND

BTG-FL

| Product Code | Diameter(mm) | Height(mm) | Arbor(mm) |
|--------------|--------------|------------|-----------|
| BTG115-FL | 115 | 10 | M14 |
| BTG125-FL | 125 | 10 | M14 |
| BTG230-FL | 230 | 10 | M14 |

Specially designed for use on angle grinders for cutting, flush cutting, grinding and shaping of Concrete, Bricks, Tiles and Stone. Good for both dry and wet cutting.



Tuck Pointers

HFUTKP

| Product Code | Diameter (mm) | Height(mm) | Thickness (mm) |
|--------------|---------------|------------|---------------------------|
| HFUTKP120 | 120 | 10 | 11.,14,15,16,2,17,3,19,22 |
| HFUTKP130 | 130 | 10 | 11,14,15,16,2,17,3 |

Protection in Core



HFTKD

| Product Code | Diameter (mm) | Height(mm) | Thickness (mm) |
|--------------|---------------|------------|---------------------------------|
| HFTKD115 | 115 | 7, 10 | 4.0, 4.5, 6.35, 8.0, 10.0 |
| HFTKD125 | 125 | 7, 10 | 4.5, 6.35, 8.0, 9.5, 10.0, 12.0 |
| HFTKD180 | 180 | 7 | 9.5 |
| HFTKD230 | 230 | 7 | 6.35 |

Protection in Core



TK

| Product Code | Diameter (mm) | Height(mm) | Thickness (mm) |
|--------------|---------------|------------|---------------------------|
| TK115 | 115 | 7, 10 | 6.35, 9.5 |
| TK125 | 125 | 7, 10 | 6.35, 9.5 |
| HFTK180 | 180 | 7, 10 | 6.35, 9.5 |
| HFTK230 | 230 | 7, 10, 12 | 5.0, 6.35, 8.0, 9.5, 10.0 |

Multiple segment thickness options fulfill all types of hard and abrasive mortar chasing.

Long life guaranteed!



Crack Chasers



HFTKUS

| Product Code | Diameter (mm) | Height(mm) | Thickness (mm) |
|--------------|---------------|------------|----------------|
| HFTKUS105 | 105 | 7, 10, 12 | 6.35 |
| HFTKUS115 | 115 | 10, 12 | 6.35 |
| HFTKUS180 | 180 | 10, 12 | 6.35 |
| HFTKD230 | 230 | 7 | 6.35 |

Multiple segment thickness options fulfill all types of hard and abrasive mortar chasing.

Long life guaranteed!



HFSTK

| Product Code | Diameter (mm) | Height(mm) | Thickness (mm) |
|--------------|---------------|------------|----------------|
| HFSTK105 | 105 | 12 | 9.5 |
| HFSTK115 | 115 | 12 | 9.5 |
| HFSTK125 | 125 | 12 | 9.5 |
| HFSTK180 | 180 | 12 | 6.35, 9.5 |
| HFSTK230 | 230 | 12, 15 | 9.5, 12.0 |

Crack chasing blades, very durable.

What is Crack Chasing?

Crack chasing is the process of cutting into cracks in concrete so that they can be waterproofed with a sealant, repaired with an epoxy, or some other filling compound.



Stone Processing

THE GLOBAL CUTTER'S WAY



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Granite Cutting



HFFU-FAN-PDA

| Product Code | Diameter (mm) | Height(mm) | Length (mm)) | Arbor (mm) |
|-----------------|---------------|------------|--------------|------------|
| HFFU300-FAN-PDA | 300 | 20 | 24 | 60 |
| HFFU350-FAN-PDA | 350 | 20 | 24 | 60 |
| HFFU400-FAN-PDA | 400 | 20 | 24 | 60 |
| HFFU450-FAN-PDA | 450 | 20 | 24 | 60 |
| HFFU500-FAN-PDA | 500 | 20 | 24 | 60 |
| HFFU600-FAN-PDA | 600 | 20 | 24 | 60 |

PDA^{PRO} Diamond Arraying Technology delivers consistency in diamond exposure, providing maximum efficiency start to finish.

With exceptional feeding speed, this blade outperforms traditional products. These further increases cutting speed and debris removal. Diamond clusters provide more diamond point exposure, which increases cutting speed with less amp draw and therefore is easier on machinery.

Ideal for Granite, Quartzite, Basalt, Engineered Stone.

One blade for both straight and miter cut.

Recommended for professional cutting with sufficient water coolant.



HFFU-FAN-MN7

| Product Code | Diameter (mm) | Height(mm) | Length (mm)) | Arbor (mm) |
|-----------------|---------------|------------|--------------|------------|
| HFFU300-FAN-MN7 | 300 | 20 | 38 | 60 |
| HFFU350-FAN-MN7 | 350 | 20 | 38 | 60 |
| HFFU400-FAN-MN7 | 400 | 20 | 38 | 60 |
| HFFU450-FAN-MN7 | 450 | 20 | 38 | 60 |
| HFFU500-FAN-MN7 | 500 | 20 | 38 | 60 |
| HFFU600-FAN-MN7 | 600 | 20 | 38 | 60 |

Quality Diamond Blades with Multi-Diamond Layers deliver consistent and durable cutting.

Ideal for Granite, Quartzite, Basalt, Engineered Stone.

One blade for both straight and miter cut.

Recommended for professional cutting with sufficient water coolant.

Granite Cutting



HFFU-CO

| Product Code | Diameter (mm) | Height(mm) | Length (mm) |
|--------------|---------------|------------|-------------|
| HFFU300-CO | 300 | 20 15 10 | 40 |
| HFFU350-CO | 350 | 20 15 10 | 40 |
| HFFU400-CO | 400 | 20 15 10 | 40 |
| HFFU450-CO | 450 | 20 15 10 | 40 |
| HFFU500-CO | 500 | 20 15 10 | 40 |
| HFFU600-CO | 600 | 20 15 10 | 40 |
| HFFU700-CO | 700 | 20 15 10 | 40 |
| HFFU800-CO | 800 | 20 15 10 | 40 |
| HFFU900-CO | 8900 | 20 15 10 | 40 |

Ideal for Granite, Quartzite, Engineered Stone.

One blade for both straight and miter cut.

Recommended for professional cutting with sufficient water coolant.



HFFUDS

| Product Code | Diameter (mm) | Height(mm) | Length (mm) |
|--------------|---------------|------------|-------------|
| HFFUDS300-CO | 300 | 15 12 10 | 20 |
| HFFUDS350-CO | 350 | 15 12 10 | 20 |
| HFFUDS400-CO | 400 | 15 12 10 | 20 |
| HFFUDS450-CO | 450 | 15 12 10 | 20 |
| HFFUDS500-CO | 500 | 15 12 10 | 20 |
| HFFUDS600-CO | 600 | 15 12 10 | 20 |
| HFFUDS700-CO | 700 | 15 12 10 | 20 |
| HFFUDS800-CO | 800 | 15 12 10 | 20 |

Short Segments.



Marble Cutting



HFCTN-FAN-MN

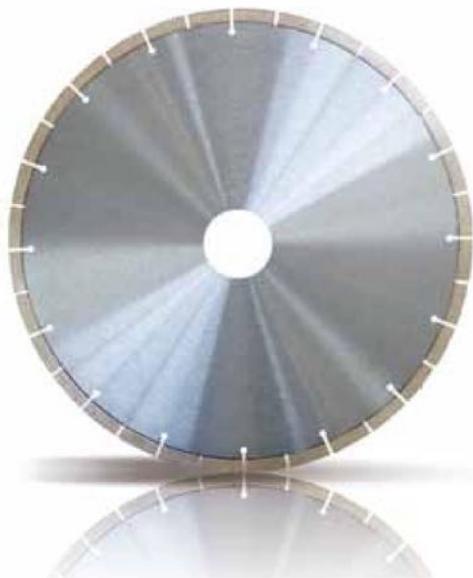
| Product Code | Diameter (mm) | Height(mm) | Length (mm)) | Arbor (mm) |
|-----------------|---------------|------------|--------------|------------|
| HFCTN300-FAN-MN | 300 | 10 | 38 | 60 |
| HFCTN350-FAN-MN | 350 | 10 | 38 | 60 |
| HFCTN400-FAN-MN | 400 | 10 | 38 | 60 |
| HFCTN450-FAN-MN | 450 | 10 | 38 | 60 |
| HFCTN500-FAN-MN | 500 | 10 | 38 | 60 |
| HFCTN600-FAN-MN | 600 | 10 | 38 | 60 |

Quality Diamond Blades with Multi-Diamond Layers deliver consistent and durable cutting.

Ideal for Marble/ Limestones/ Porcelain

One blade for both straight and miter cut.

Recommended for professional cutting with sufficient water coolant.



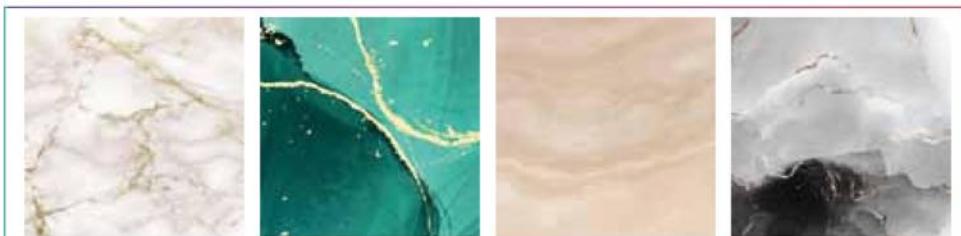
HPB-D3

| Product Code | Diameter (mm) | Height(mm) | Thickness (mm) |
|--------------|---------------|------------|----------------|
| 10HPB300-D3 | 300 | 10 | 2.6 |
| 10HPB350-D3 | 350 | 10 | 2.8 |

Quality Diamond Blades for Marble.

Cost-effective solution.

Recommended for professional cutting with sufficient water coolant.



Sandstone & Limestone Cutting



LWSU-FAN

| Product Code | Diameter (mm) | Height(mm) | Length (mm) | Arbor (mm) |
|--------------|---------------|------------|-------------|------------|
| LWSU300-FAN | 300 | 17 | 38 | 60 |
| LWSU350-FAN | 350 | 17 | 38 | 60 |
| LWSU400-FAN | 400 | 17 | 38 | 60 |
| LWSU450-FAN | 450 | 17 | 38 | 60 |
| LWSU500-FAN | 500 | 17 | 38 | 60 |
| LWSU600-FAN | 600 | 17 | 38 | 60 |

Quality Diamond Blades with 17 mm segments for sandstone cutting, durable and fast cutting

Ideal for Sandstone, Gritstone

Recommended for professional cutting with sufficient water coolant.



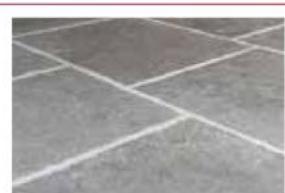
LWFUTDS

| Product Code | Diameter (mm) | Height(mm) | Length (mm) | Arbor (mm) |
|--------------|---------------|------------|-------------|------------|
| LWFUTDS300 | 300 | 15 | 20 | 60 |
| LWFUTDS350 | 350 | 15 | 20 | 60 |
| LWFUTDS400 | 400 | 15 | 20 | 60 |
| LWFUTDS500 | 500 | 12 | 20 | 60 |

Quality Diamond Blades with 15 mm segments for Limestone cutting, durable and fast.

Ideal for Limestone and other Soft Stones.

Recommended for professional cutting with sufficient water coolant.



UCS Porcelain Cutting

DEK Master™ The Ttrademark of A Range of Quality Blades for USC Porcelain Cutting.



Features:

- R-Silent Steel Cores from 250 mm to 500 mm
- Multi-layer Diamonds Technology
- High Feed Speeds
- Free of Chipping
- One blade for both Straight and Miter Cutting.

DEKTON®

LAPITEC
NATURALLY ITALIAN

NEOLITH
EXTRAORDINARY SURFACE

LAMINAM
SUPERIOR NATURAL SURFACES

What is UCS Porcelain?

UCS (Ultra-Compact Surface) Porcelains are created from a combination of glass, porcelain, and quartz material. It is a fairly new countertop material created through a very unique fabrication process known as Sintered Particle Tech. This process basically involves the mix of raw elements under high temperatures and extreme pressure.

The most famous brands of UCS Porcelain in the world include Dekton, Lapitech, Neolith, Laminam.





NEW

HFCNT-FAN-MN

| Item code | Dia. /mm | Seg. H /mm | Seg. T /mm | Bore Size. T /mm |
|-----------------|----------|------------|------------|------------------|
| HFCNT250-FAN-MN | 250 | 10 | 2.2 | 25.4 |
| HFFU300-FAN-MN | 300 | 10 | 3.0 | 60/50 |
| HFFU360-FAN-MN | 360 | 10 | 3.2 | 60/50 |
| HFFU400-FAN-MN | 404 | 10 | 3.2 | 60/50 |
| HFFU450-FAN-MN | 460 | 10 | 3.4 | 60/50 |
| HFFU500-FAN-MN | 510 | 10 | 3.4 | 60/50 |

Recommended Cutting Parameters:

| Slab Type | Slab Thickness/ mm | RPM/ 300 | RPM/ 360 | RPM/ 400 | RPM/ 450 | RPM/ 500 | Straight Cut Feed Speed LM/min | Miter Cut Feed Speed LM/min |
|---|--------------------|-----------|-----------|-----------|-----------|-----------|--------------------------------|-----------------------------|
| White Dekton | 12 mm | 2540-3180 | 2180-2720 | 1900-2400 | 1690-2120 | 1520-1900 | 2.0-2.4 | 1.0-1.2 |
| | 20 mm | 2540-3180 | 2180-2720 | 1900-2400 | 1690-2120 | 1520-1900 | 1.2-2.0 | 0.6-1.0 |
| | 30 mm | 2540-3180 | 2180-2720 | 1900-2400 | 1690-2120 | 1520-1900 | 0.8-1.2 | 0.4-0.6 |
| Recommended for professional cutting with sufficient water coolant. | | | | | | | | |
| While entering and exiting the cut, reduce the feed speed of 40%-50%. | | | | | | | | |

Conditions For Optimal Performance:

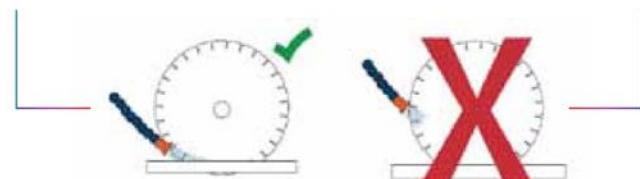
PROPERLY ORIENTING THE WATER FLOW: exactly at the point of entry/ contact between the blade and the material.

Always make sure the water pressure does not stop and let the flow fall down before arriving at the appropriate contact area, otherwise the cooling of the blade is inefficient. Considering that a blade under operation can reach a very high temperature, the right orientation of the water flow is absolutely determinant for the blade cooling.

CLEAN WATER: clear of mud or sand in water

FRESH WATER: water quality is key, to keep the blade sharp

ENOUGH PRESSURE: to push away the cutter waste.



Ceramic Tiles

THE GLOBAL CUTTER'S WAY



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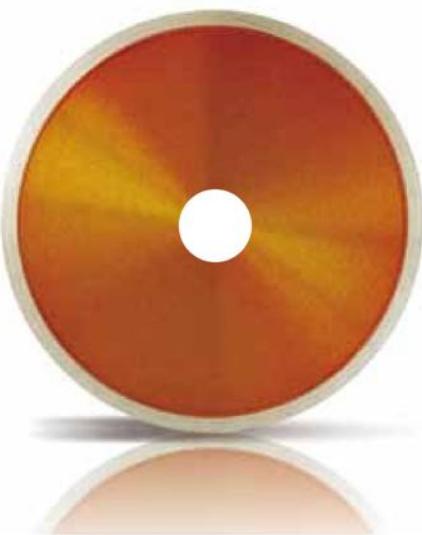
Porcelain & Ceramic Tiles

| HPB-C | | | |
|-----------------|---------------|------------|-----------------|
| Product Code | Diameter (mm) | Height(mm) | Thickness (mm) |
| 10HPB200-C | 200 | 10 | 1.6,1.8 |
| 10HPB250-C | 250 | 10 | 1.6,1.8,2.0,2.2 |
| 10HPB300-C | 300 | 10 | 1.8,2.0,2.2,2.4 |
| 10HPB350-C | 350 | 10 | 2.2,2.4,2.6,2.8 |
| HFCTN400-FAN-MN | 400 | 10 | 3.0 |



Professional blades for cutting porcelain tiles, ideal for both single and multi-blades cutting.
A package of diamond grit sizes and thickness for option.
Latest sintering technology guarantees the strength of steel cores.

| HPB | | | |
|--------------|---------------|------------|-----------------|
| Product Code | Diameter (mm) | Height(mm) | Thickness (mm) |
| 10HPB200 | 200 | 10 | 1.6,1.8 |
| 10HPB250 | 250 | 10 | 1.6,1.8,2.0,2.2 |
| 10HPB300 | 300 | 10 | 1.8,2.0,2.2,2.4 |
| 10HPB350 | 350 | 10 | 2.2,2.4,2.6,2.8 |



Gang Yan

| GY GRITS CODE | FEPA Grit chart |
|---------------|-----------------|
| GY 70 | FEPA GRITS |
| GY 60 | D64 |
| GY 50 | D76 |
| GY 40 | D91 |
| GY 30 | D107 |
| GY 20 | D126 |
| GY 10 | D151 |
| GY 07 | D181 |
| GY 02 | D213 |
| GY 01 | D252 |
| | D301 |

Ceramic Tiles

Extra
Thin



HPBT-C-FL

| Product Code | Diameter (mm) | Height(mm) | Thickness (mm) |
|---------------|---------------|------------|----------------|
| 10HPB180-C-FL | 180 | 10 | 1.2 |
| 10HPB200-C-FL | 200 | 10 | 1.2 |
| 10HPB230-C-FL | 230 | 10 | 1.2 |
| 10HPB250-C-FL | 250 | 10 | 1.2 |

Quality blades for Ceramic, Porcelain, Artificial stone.
1.2 mm blades rim delivers exceptional and clean cutting.

Reinforced steel cores guarantee the stable cutting.
Recommend for wet cutting only.



HPB-Glass

| Product Code | Diameter (mm) | Height (mm) | Thickness (mm) |
|--------------|---------------|-------------|----------------|
| HPB180 | 180 | 7 | 1.6 |
| HPB200 | 200 | 7 | 1.6 |
| HPB230 | 230 | 7 | 1.6 |
| HPB250 | 250 | 7 | 2.2 |



Quality blades for Glass cutting.
Extreme-soft bond matrix delivers the exceptional cutting speed and clean edge.
Recommend for wet cutting only.

Polishing Pads

For taking off sharp edges on porcelain tile, removing calcium from swimming pool tiles and prepping concrete overlays.

Available individually or in sets from 50-3000 diamond grit.



Dressing Stone

Keep your diamond blades sharp with abrasive dressing stones.
Grit Size #80



Ceramic Tiles



HPNS

| Product Code | Diameter (mm) | Height(mm) | Thickness (mm) |
|---------------|---------------|------------|----------------|
| 10HPNS105t-FL | 105 | 10 | 1.4 |
| 10HPNS115t-FL | 115 | 10 | 1.4 |
| 10HPNS125t-FL | 125 | 10 | 1.4 |
| 10HPNS180t-FL | 180 | 10 | 1.6 |
| 10HPNS230t-FL | 230 | 10 | 1.6 |
| 10HPNS250t-FL | 250 | 10 | 1.6 |



Hot Press Sintered Blades for Ceramic Tiles, Porcelain, Marble.
Exceptional cutting speed and free of chipping.
Reinforced Steel Cores.

250mm is ideal for 20mm porcelains.

105-125 mm are recommended for dry cutting.
180-250 mm are ideal for wet cutting.



HPNT

| Product Code | Diameter (mm) | Height(mm) | Thickness (mm) |
|--------------|---------------|------------|----------------|
| HPNT105-FL | 105 | 10 | 1.4 |
| HPNT115-FL | 115 | 10 | 1.4 |
| HPNT125-FL | 125 | 10 | 1.4 |
| HPNT180-FL | 180 | 10 | 1.6 |
| HPNT230-FL | 230 | 10 | 1.6 |
| HPNT250-FL | 250 | 10 | 1.6 |



HPABFt-FL

| Product Code | Diameter (mm) | Height(mm) | Thickness (mm) |
|----------------|---------------|------------|----------------|
| 10HPABF105t-FL | 105 | 10 | 1.4 |
| 10HPABF115t-FL | 115 | 10 | 1.4 |
| 10HPABF125t-FL | 125 | 10 | 1.4 |
| 10HPABF180t-FL | 180 | 10 | 1.6 |
| 10HPABF230t-FL | 230 | 10 | 1.6 |
| 10HPABF250t-FL | 250 | 10 | 1.6 |

Ceramic Tiles

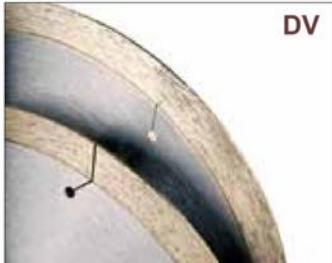
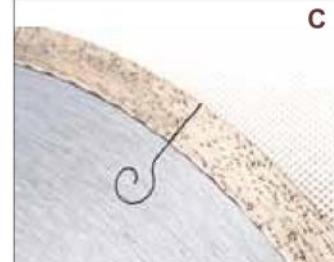
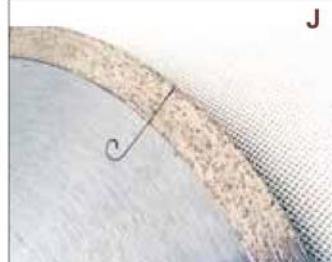


HPB

| Product Code | Diameter (mm) | Height(mm) | Thickness (mm) |
|--------------|---------------|------------|----------------|
| HPB105 | 105 | 10 7 | 1.6 |
| HPB100 | 110 | 10 7 | 1.6 |
| HPB115 | 115 | 10 7 | 1.6 |
| HPB125 | 125 | 10 7 | 1.6 |
| HPB150 | 150 | 10 | 1.6 |
| HPB180 | 180 | 10 | 1.6 |
| HPB200 | 200 | 10 | 1.6 |
| HPB230 | 230 | 10 | 1.6 |
| HPB250 | 250 | 10 | 1.6 |
| HPB300 | 300 | 10 | 2.0 |
| HPB350 | 350 | 10 | 2.4 |

Premium quality sintered blades for cutting Ceramics Tiles, Porcelain Tiles, Marble tiles.
Various laser cutting slots.

Multiple Slots Designs:



V-Tech™

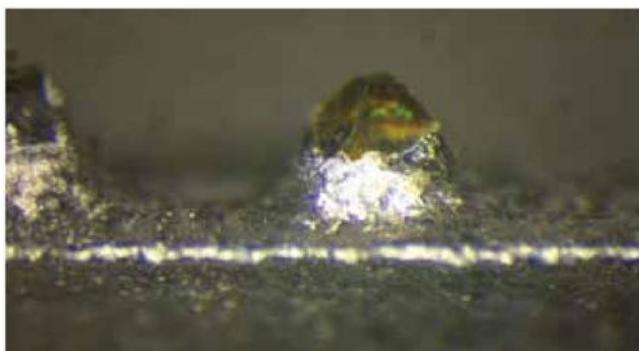
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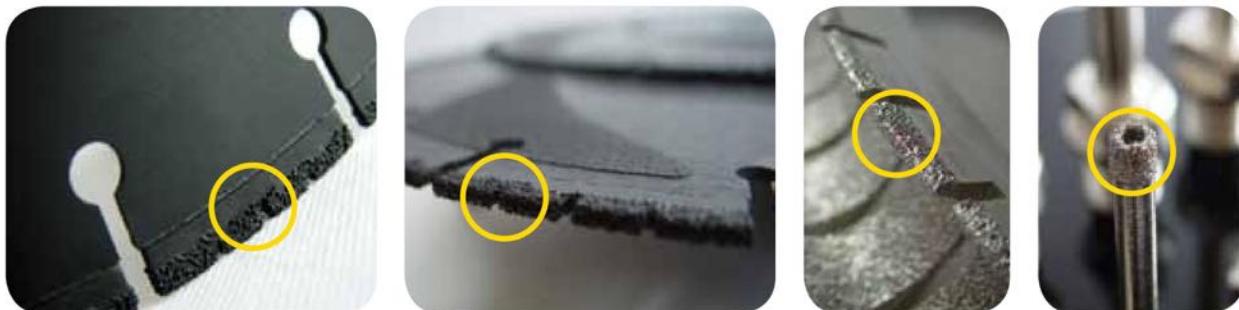
What's V-Tech?

V-Tech™



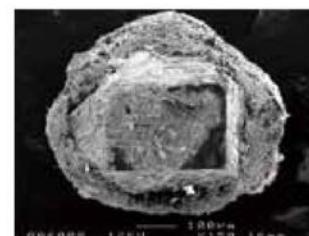
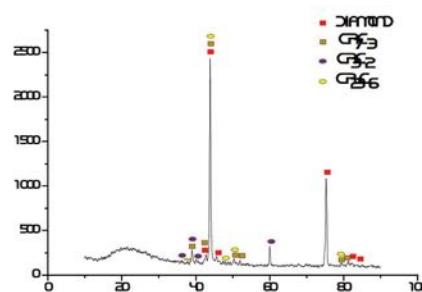
■ Extremely high exposure of diamond

V-Tech allows diamond particle to protrude up to 3/4 out of the bond, much higher than that of sintering and electroplating, leaving better clearance on tools surface, significantly improving cutting efficiency and cooling.



■ Unique diamond holding capability

V-Tech creates a chemical bonding between diamond and matrix, permanently brazing the diamond to the substrate. The diamond crystal is retained on the tool in continuous cutting until totally wearing itself out. Therefore, the working life of V-Tech tools is highly increased over traditional tools.



X-ray and SEM analysis showing chemical bonding in the interface



Injury free diamond

■ The breakthrough of V-Tech eliminates heat injury to diamond which often happens on traditional tools. It maintains the best chemical and physical performance of diamond and prevents it from any damage.



Laser Welded

A Range of V-Tech Diamond Blades for Multi-Purpose Cutting.

V-Tech™

LW-B07

| Product Code | Diameter (mm) | Height (mm) | Thickness (mm) |
|--------------|---------------|-------------|----------------|
| LW300-B07 | 300 | 8 | 3.0 |
| LW350-B07 | 350 | 8 | 3.2 |
| LW400-B07 | 400 | 8 | 3.5 |
| LW450-B07 | 450 | 8 | 4.0 |
| LW500-B07 | 500 | 8 | 5.0 |
| LW600-B07 | 600 | 8 | 5.0 |
| LW800-B07 | 600 | 8 | 5.0 |

The Best Choice for Steel and Iron Cutting.



V-Tech™

LW-B05

| Product Code | Diameter (mm) | Height (mm) | Thickness (mm) |
|--------------|---------------|-------------|----------------|
| LW300-B05 | 300 | 8 | 3.0 |
| LW350-B05 | 350 | 8 | 3.2 |
| LW400-B05 | 400 | 8 | 3.5 |
| LW450-B05 | 450 | 8 | 4.0 |
| LW500-B05 | 500 | 8 | 5.0 |
| LW600-B05 | 600 | 8 | 5.0 |
| LW800-B05 | 600 | 8 | 5.0 |

V-Tech maximized the utilization of each diamond to give the blade the best cutting performance.

300 -400 mm are laser welded, ideal for power cutters and chop saws.
500- 800 are laser welded, recommended for professional use like wall sawing.



Metal Cutter

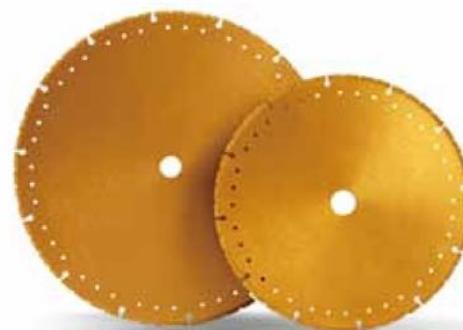
V-Tech™

| Product Code | Diameter (mm) | Height (mm) | Thickness (mm) |
|--------------|---------------|-------------|----------------|
| VSA105-RH | 105 | 2 | 1.5 |
| VSA115-RH | 115 | 2 | 1.5 |
| VSA125-RH | 125 | 2 | 1.5 |
| VSA180-RH | 180 | 2 | 2.0 |
| VSA230-RH | 230 | 2 | 2.0 |
| VSA300-RH | 300 | 4 | 2.6 |
| VSA350-RH | 350 | 4 | 2.8 |

105-350 mm for angle grinders, chop saws and power cutters



VSA



V-Tech™

| Product Code | Diameter (mm) | Height (mm) | Thickness (mm) |
|--------------|---------------|-------------|----------------|
| VBA75 | 75 | 4 | 2.2 |
| VBA90 | 90 | 4 | 2.2 |
| VBA105 | 105 | 4 | 2.2 |
| VBA115 | 115 | 4 | 2.2 |
| VBA125 | 125 | 4 | 2.2 |
| VBA180 | 180 | 4 | 2.6 |
| VBA230 | 230 | 4 | 2.6 |

Advantages:

- Longer life over abrasive disc
- Less smoke and fewer sparks in cutting
- Smooth cutting without vibration

V-Tech™

VSAB

| Product Code | Diameter (mm) | Height (mm) | Thickness (mm) |
|--------------|---------------|-------------|----------------|
| VSAB105 | 105 | 2 | 1.5 |
| VSAB115 | 115 | 2 | 1.5 |
| VSAB125 | 125 | 2 | 1.5 |
| VSAB150 | 150 | 2 | 2.0 |
| VSAB180 | 180 | 2 | 2.0 |
| VSAB230 | 230 | 2 | 2.0 |
| VSAB300 | 300 | 2 | 2.6 |
| VSAB350 | 350 | 2 | 2.8 |



Stone



Concrete



Ductile Iron



PVC



Copper



Brick



Wood



Pavers

Metal Cutter

V-Tech™

VBE-GVT

| Product Code | Diameter (mm) | Height (mm) | Thickness (mm) |
|----------------|---------------|-------------|----------------|
| VBE115-GVT4 | 115 | 4 | 2.2 |
| VBE125-GVT4 | 125 | 4 | 2.2 |
| VBE180-GVT6 | 180 | 4 | 2.6 |
| VBE200-GVT7 | 200 | 4 | 2.6 |
| VBE230-GVT7 | 230 | 4 | 2.6 |
| LW300-B07-GVT7 | 300 | 8 | 3.0 |
| LW350-B07-GVT7 | 350 | 8 | 3.2 |

Side-Protection in Core.



NEW



V-Tech™

VBA-VBFL

| Product Code | Diameter (mm) | Height (mm) | Thickness (mm) |
|----------------|---------------|-------------|----------------|
| VBA125-VBFL | 125 | 4 | 2.2 |
| VBA230-VBFL | 230 | 4 | 3.0 |
| LW300-B05-VBFL | 300 | 8 | 3.0 |
| LW350-B05-VBFL | 350 | 8 | 3.2 |

CUT AND GRIND

This V-Tech blade is designed to both cut and chamfer all types of pipe in one action.

With this 2 in 1 disc, the risk of an operator using the side of a standard diamond blade to chamfer the pipe will be eliminated.



NEW



Oscillating Blades



Oscillating Blades

Oscillating describes the movement of the multi-tool attachments and accessories that you're using – whether that's a multi-tool metal cutting blade or a wood sanding pad. The oscillating movement is a rapid rotation back and forth.

T-Shape Oscillating Blades. Suits Fein Multimaster & similar machines. Ideal for mortar removal on brickwork & stone walls. **V-Tech™** for aggressive cutting.

Reciprocating Blades



V-Tech™

| Product Code | length | Height (mm) | thickness |
|--------------|--------|-------------|-----------|
| VWFJ150 | 150 | 3 | 0.9 |
| VWFJ200 | 200 | 3 | 0.9 |
| VWFJ230 | 230 | 3 | 0.9 |

Advantages:

- High Quality Steels
- Non-binding Cutting Edge
- Efficient and Durable
- Multi-Purpose

Brand-new Reciprocating Saw Blades and Jig Saw Blades.

Drill Bits

V-Tech™ core drill bits improve the adhesion of the diamond drill bit to the surface for enhanced strength.

The range of drill bits we offer are made for a clean-cut finish and are compatible with a range of cordless drills and angle grinders.

V-Tech™

| Product Code | Dia(mm) | Height (mm) | Length(mm) | Adaptor |
|--------------|---------|-------------|------------|---------|
| V-JTCB | 5-14 | 10 | 67/80 | HEX |



Ideal for dry drilling all kinds of tiles including Ceramic, Porcelain and Marbles.

Self-cooling, 5-14 mm with wax inside core barrels.

V-Tech™

| Product Code | Dia(mm) | Height (mm) | Length(mm) | Adaptor |
|--------------|---------|-------------|------------|-------------|
| V-CQCB | 5-150 | 10 | 64/76/90 | M14 5/8"-11 |



Ideal for angle grinders and hand held drill machines.

5-14 mm drill bits have cooling wax inside.

Extremely Long Life:

12 mm Ceramic, up to 80 holes

12 mm Porcelain, up to 30 holes

Accessories

SDS-M14 Adaptor
HEX-M14 Adaptor



Mini Drill Guide, fit size 4-12 mm



Universal Drill Guide, fit size: 5-80 mm



Tool Kits

Various of Packing Solutions with Guide, Water supplement, Adaptors



Multi-Purpose Grinder

NEW



V-Tech™

| Product Code | Diameter (mm) | Height(mm) | Arbor(mm) |
|----------------|---------------|------------|-------------------|
| V-BHGW115-QBDA | 115 | 2.4 | 22.23/M14/5/8"-11 |
| V-BHGW125-QBDA | 125 | 2.4 | 22.23/M14/5/8"-11 |
| V-BHGW180-QBDA | 180 | 2.8 | 22.23/M14/5/8"-11 |
| V-BHGW230-QBDA | 230 | 3.0 | 22.23/M14/5/8"-11 |

V-Tech™ grinders designed for grinding Metal, Granite, Marble, Tiles.

Aggressive and high grinding speed.

V-Tech™

| Product Code | Diameter (mm) | Height(mm) | Arbor(mm) |
|--------------|---------------|------------|-----------|
| V-BHGW105 | 105 | 2 | 15 |
| V-BHGW115 | 115 | 2 | 20 |
| V-BHGW125 | 125 | 2 | 25 |
| V-BHGW150 | 150 | 2 | 40 |
| V-BHGW180 | 180 | 2 | 35 |

V-BHGW



V-Tech™ grinders designed for grinding Metal, Granite, Marble, Tiles.

Aggressive and high grinding speed.



V-Tech™

| Product Code | Diameter (mm) | Width(mm) | Arbor(mm) |
|---------------|---------------|-----------|------------------|
| V-DFGW115-GWA | 115 | 20 | 22.2 m14 5/8"-11 |
| V-DFGW125-GWA | 125 | 20 | 22.2 m14 5/8"-11 |
| V-DFGW180-GWA | 180 | 20 | 22.2 m14 5/8"-11 |

V-DFGW



Stone Profiling

V-Tech™

1/2 Bullnose

| Product Code | Height(mm) | | | | Shape | Radius(mm) | Adaptor |
|--------------|------------|----|----|----|-------|------------|---------------|
| V-MTR5 | 12 | 15 | 20 | 30 | B | 5 | M14 5/8" - 11 |
| V-MTR10 | 12 | 15 | 20 | 30 | B | 10 | M14 5/8" - 11 |
| V-MTR15 | 12 | 15 | 20 | 30 | B | 15 | M14 5/8" - 11 |
| V-MTR20 | 12 | 15 | 20 | 30 | B | 20 | M14 5/8" - 11 |
| V-MTR25 | 12 | 15 | 20 | 30 | B | 25 | M14 5/8" - 11 |
| V-MTR30 | 12 | 15 | 20 | 30 | B | 35 | M14 5/8" - 11 |



Premium Quality V-Tech Router Bits for Hand-held Machines.

Various of Shapes and Heights for choice.

Ideal for profiling Granite, Marble, Engineered Stones.

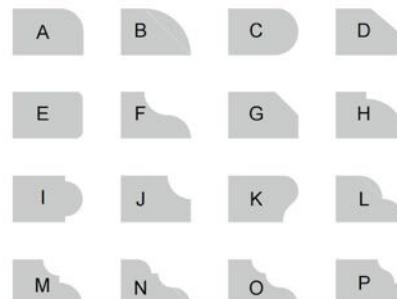
Wet Using Only.

Full Bullnose

| Part No. | Shape | Height(mm) | Radius(mm) | Adaptor |
|----------|-------|------------|------------|---------------------|
| V-MT10 | C | 20 | 30 | 10 mm M14 5/8" - 11 |
| V-MT15 | C | 20 | 30 | 15 mm M14 5/8" - 11 |



Common Profile Types



Finger Bits



V-Tech™

| Product Code | Diameter (mm) | Length(mm) | Adaptor |
|--------------|---------------|------------|------------|
| VB-DW45 | 45 | | |
| VB-DW52 | 52 | | |
| VB-DW76 | 76 | 35, 50 | |
| VB-DW102 | 102 | | M14-1/2GAS |

Features:

1. Central water feeding
2. High grinding capacity and efficiency
3. No vibration or wobbling

Application:

Granite, Marble, Engineered stone

V-Tech™

CNC Finger bits

| Product Code | Diameter (mm) | Length(mm) | Adaptor |
|--------------|---------------|------------|------------|
| VB-FB20 | 20 | 35, 50 | |
| VB-FB25 | 25 | | M14-1/2GAS |

Features:

1. High efficiency and long working life
2. No bouncing or wobbling
3. No deformation in processing

Application:

Granite, Marble, Engineered stone



Finger Bits



JMH

| Product Code | D1 (mm) | D2(mm) | L1 (mm) | L2(mm) |
|--------------|---------|--------|---------|--------|
| JMH6070 | 7 | 6 | 10 | 80 |
| JMH6080 | 8 | 6 | 10 | 80 |
| JMH6090 | 9 | 6 | 10 | 80 |
| JMH100 | 10 | 6 | 10 | 80 |
| JMH120 | 12 | 6 | 10 | 80 |
| JMH140 | 14 | 6 | 10 | 80 |



V-PW

| Product Code | Diameter (mm) | Length(mm) | Adaptor |
|--------------|---------------|------------|---------|
| V-PW200 | 200 | 10/20 | 15/30 |
| V-PW250 | 250 | 20/40 | 25/50 |
| V-PW300 | 300 | 30/60 | 35/70 |
| V-PW350 | 350 | 40/80 | 50/100 |

V-Tech™ Profiling Wheels for Granite and Marble.

1/2 round and 1/4 round edge are available.

Diamond Core Bits

THE GLOBAL CUTTER'S WAY



WWW.ALZR.COM
INFO@ALZR.COM

Laser Welded Core Bits

Reinforced Concrete

A comfortable solution for all professional drillers.



PDA^{PRO} guarantees the consistent fast and durable coring to maximize the outcome of work.

Laser Welded Core Bits for Professional Concrete Coring.

Recommended for the professional coring with sufficient water coolant.



Advantages:

- High Welding Strength;
- Fast Speed Guaranteed in rebars.
- Run out Control, no wobbling;

PDA^{PRO}

| Product Code | Dia.(mm) | Segments type | Height (mm) | Useful length (mm) | Connection |
|-----------------|----------|--------------------------|-------------|--------------------|-------------------------------|
| LWFCB52-TP-PDA | 52 | REGULAR TURBO ROOF | 10 | 300/350/400/450 | 1-1/4" UNC(F), CRI28 PIXIE |
| LWFCB56-TP-PDA | 56 | | | | |
| LWFCB62-TP-PDA | 62 | | | | |
| LWFCB65-TP-PDA | 65 | | | | |
| LWFCB68-TP-PDA | 68 | | | | |
| LWFCB70-TP-PDA | 72 | | | | |
| LWFCB72-TP-PDA | 72 | | | | |
| LWFCB76-TP-PDA | 76 | | | | |
| LWFCB82-TP-PDA | 82 | | | | |
| LWFCB88-TP-PDA | 88 | | | | |
| LWFCB92-TP-PDA | 92 | | | | |
| LWFCB102-TP-PDA | 102 | | | | |
| LWFCB108-TP-PDA | 108 | | | | |
| LWFCB112-TP-PDA | 112 | | | | |
| LWFCB114-TP-PDA | 114 | | | | |
| LWFCB122-TP-PDA | 122 | | | | |
| LWFCB127-TP-PDA | 127 | | | | |
| LWFCB132-TP-PDA | 132 | | | | |
| LWFCB142-TP-PDA | 142 | | | | |
| LWFCB152-TP-PDA | 152 | | | | |
| LWFCB162-TP-PDA | 162 | | | | |
| LWFCB172-TP-PDA | 172 | | | | |
| LWFCB178-TP-PDA | 178 | | | | |
| LWFCB182-TP-PDA | 182 | | | | |
| LWFCB200-TP-PDA | 200 | | | | |
| LWFCB210-TP-PDA | 210 | | | | |
| LWFCB230-TP-PDA | 230 | | | | |
| LWFCB250-TP-PDA | 250 | | | | |
| LWFCB276-TP-PDA | 276 | | | | |
| LWFCB300-TP-PDA | 300 | | | | |
| LWFCB200-TP-PDA | 200 | | | | |
| LWFCB210-TP-PDA | 210 | | | | |



Laser Welded Core Bits



Reinforced Concrete



NEW



Titan 723™

Brand-new Twisted-Roof Top segments design delivers the maximum performance of core bits.
Recommended for the professional coring with sufficient water coolant.

LWFCB-MST

| Product Code | Dia.(mm) | Segments type | Height (mm) | Useful length (mm) | Connection |
|--------------|----------|---------------------------------|-------------|--------------------|-------------------------------|
| LWFCB52-MST | 52 | TWSITED ROOF TOP, TURBO SIDE | 12 | 400/450/500 | 1-1/4" UNC(F), CRI28 PIXIE |
| LWFCB62-MST | 62 | | | | |
| LWFCB68-MST | 68 | | | | |
| LWFCB78-MST | 78 | | | | |
| LWFCB82-MST | 82 | | | | |
| LWFCB92-MST | 92 | | | | |
| LWFCB102-MST | 102 | | | | |
| LWFCB108-MST | 108 | | | | |
| LWFCB112-MST | 112 | | | | |
| LWFCB117-MST | 117 | | | | |
| LWFCB122-MST | 122 | | | | |
| LWFCB127-MST | 127 | | | | |
| LWFCB132-MST | 132 | | | | |
| LWFCB142-MST | 142 | | | | |
| LWFCB152-MST | 152 | | | | |
| LWFCB162-MST | 162 | | | | |
| LWFCB172-MST | 172 | | | | |
| LWFCB182-MST | 182 | | | | |
| LWFCB200-MST | 200 | | | | |
| LWFCB210-MST | 210 | | | | |
| LWFCB230-MST | 230 | | | | |
| LWFCB250-MST | 250 | | | | |

Core Bits

Reinforced Concrete



Brand-new segments design delivers the maximum performance of core bits.

Recommended for the professional coring with sufficient water coolant.

HFFCB-ETP

| Product Code | Dia.(mm) | Segments type | Height (mm) | Useful length (mm) | Connection |
|--------------|----------|---------------------------------|-------------|--------------------|-------------------------------|
| HFFCB68-ETP | 68 | TWSITED ROOF TOP, TURBO SIDE | 12 | 400/450/500 | 1-1/4" UNC(F), CRI28 PIXIE |
| HFFCB78-ETP | 78 | | | | |
| HFFCB92-ETP | 92 | | | | |
| HFFCB102-ETP | 102 | | | | |
| HFFCB112-ETP | 112 | | | | |
| HFFCB122-ETP | 122 | | | | |
| HFFCB127-ETP | 127 | | | | |
| HFFCB152-ETP | 152 | | | | |
| HFFCB162-ETP | 162 | | | | |
| HFFCB182-ETP | 182 | | | | |
| HFFCB200-ETP | 200 | | | | |

Laser Welded Core Bits



Reinforced Concrete

| LWMCB | | | | | | |
|--------------|----------|--------------|-------------|-----------------------|--------------------|------------|
| Product Code | Dia.(mm) | Segment type | Height (mm) | Barrel Thickness (mm) | Useful length (mm) | Connection |
| LWMCB10 | 10 | CROWN | 10 | 1.5 | 300/350 | 1/2" BSP |
| LWMCB12 | 12 | | 10 | 1.5 | 300/350 | 1/2" BSP |
| LWMCB14 | 14 | | 10 | 1.5 | 300/350/400 | 1/2" BSP |
| LWMCB16 | 16 | | 10 | 1.5 | 300/350/400 | 1/2" BSP |
| LWMCB18 | 18 | | 10 | 1.5 | 300/350/400 | 1/2" BSP |
| LWMCB20 | 20 | | 10 | 1.5 | 300/350/400 | 1/2" BSP |
| LWMCB22 | 22 | | 10 | 1.5 | 300/350/400 | 1/2" BSP |
| LWMCB24 | 24 | | 10 | 1.5 | 300/350/400 | 1/2" BSP |
| LWMCB26 | 26 | | 10 | 1.5 | 300/350/400 | 1/2" BSP |
| LWMCB28 | 28 | | 10 | 1.5 | 300/350/400 | 1/2" BSP |
| LWMCB30 | 30 | | 10 | 1.5 | 300/350/400 | 1/2" BSP |
| LWMCB32 | 32 | | 10 | 1.5 | 300/350/400 | 1/2" BSP |
| LWMCB34 | 34 | | 10 | 1.5 | 300/350/400 | 1/2" BSP |
| LWMCB36 | 36 | | 10 | 1.5 | 300/350/400 | 1/2" BSP |
| LWMCB38 | 38 | | 10 | 1.5 | 300/350/400 | 1/2" BSP |
| LWMCB40 | 40 | | 10 | 1.5 | 300/350/400 | 1/2" BSP |
| LWMCB42 | 42 | | 10 | 1.5 | 300/350/400 | 1/2" BSP |
| LWMCB44 | 44 | | 10 | 1.5 | 300/350/400 | 1/2" BSP |
| LWMCB46 | 46 | | 10 | 1.5 | 300/350/400 | 1/2" BSP |
| LWMCB52 | 52 | FLAT | 10 | 1.5 | 300/400 | 1/2" BSP |
| LWMCB56 | 56 | | 10 | 1.5 | 300/400 | 1/2" BSP |
| LWMCB62 | 62 | | 10 | 1.5 | 300/400 | 1/2" BSP |
| LWMCB68 | 68 | | 10 | 1.5 | 300/400 | 1/2" BSP |
| LWMCB70 | 70 | | 10 | 1.5 | 300/400 | 1/2" BSP |
| LWMCB72 | 72 | | 10 | 1.5 | 300/400 | 1/2" BSP |
| LWMCB76 | 76 | | 10 | 1.5 | 300/400 | 1/2" BSP |
| LWMCB82 | 82 | | 10 | 1.5 | 300/400 | 1/2" BSP |
| LWMCB86 | 86 | | 10 | 1.5 | 300/400 | 1/2" BSP |
| LWMCB92 | 92 | | 10 | 1.5 | 300/400 | 1/2" BSP |
| LWMCB96 | 96 | | 10 | 1.5 | 300/400 | 1/2" BSP |
| LWMCB102 | 102 | | 10 | 1.5 | 300/400 | 1/2" BSP |
| LWMCB112 | 112 | | 10 | 1.5 | 300/400 | 1/2" BSP |
| LWMCB132 | 132 | | 10 | 1.5 | 300/400 | 1/2" BSP |
| LWMCB152 | 152 | | 10 | 1.5 | 300/400 | 1/2" BSP |

Laser Welded Super Thin Core Bits for Reinforced Concrete coring.

The full range products are recommended for handheld or rig based drills with water cooling

Exceptionally user-friendly thanks to the super lightweight-barrel design.



Laser Welded Core Bits

Reinforced Concrete

Titan 610™

| Product Code | Dia.(mm) | Segments type | Height (mm) | Useful length (mm) | Connection |
|--------------|----------|------------------------|-------------|--------------------|---------------|
| LWBFCB42 | 42 | REGULAR/TURBO/ ROOF | 10 | 300/350/400/450 | 1-1/4" UNC(F) |
| LWBFCB52 | 52 | | | | |
| LWBFCB62 | 62 | | | | |
| LWBFCB72 | 72 | | | | |
| LWBFCB82 | 82 | | | | |
| LWBFCB92 | 92 | | | | |
| LWBFCB102 | 102 | | | | |
| LWBFCB112 | 112 | | | | |
| LWBFCB122 | 122 | | | | |
| LWBFCB132 | 132 | | | | |
| LWBFCB142 | 142 | | | | |
| LWBFCB152 | 152 | | | | |
| LWBFCB162 | 162 | | | | |
| LWBFCB182 | 182 | | | | |
| LWBFCB200 | 200 | | | | |
| LWBFCB250 | 250 | | | | |

Band-new Laser Welded Core Bits for Dry Drilling Concrete.
Ideal for core drills with percussion, dry coring.

Advantages:

- High Welding Strength;
- Long Life Guaranteed.
- Run-out Control, No Wobbling;



Application Instruction:

| Machine Power | Powered by | Diameter | Recommended bond # | | Suitable for |
|---------------|---------------------|---------------------|--------------------|----------------------------------|------------------------|
| | | | Premium* | Professional** | |
| 2.5KW-3.5KW | Electric, | 10-152 mm HH drills | CB420 | Titan643(Crown), Titan628 | LWMCB series |
| | Electric, | 52-350 mm Rig based | CB440 | Titan723, Titan733, PDA-Titan723 | LWFCB series |
| 4KW-7.5 KW | Electric, Hydraulic | 52-600 mm Rig based | Titan733 | Titan618, PDA-Titan618 | LWFCB and LWPCB series |

*Premium quality products are suitable for the wet coring of concrete with soft, medium hard aggregate and rebars.

**Professional quality level products are suitable for wet coring of cured concrete with flint, quartz granite, gravel, and other hard aggregates and heavily reinforced concrete.

Laser Welded Core Bits

Loose Segments



Adaptors

HILTI DD100/120/130 - 1/2" BSP(F) & 1-1/4" UNC(M) Adaptor

1/2" BSP (M) - 1-1/4" UNC (M) Adaptor

1/2" BSP (F) - 1-1/4" UNC (F) Adaptor

1/2" BSP (M) - 1/2" BSP (M) Adaptor

1/2" BSP (F) - 1/2" BSP (F) Adaptor

1-1/4" UNC (M) - 1-1/4" UNC (F) Extention Bar L300 MM

1/2" BSP (F) - 1-1/4" UNC (M) Extention Bar L300 MM



Laser welded Core Bits

Dry Cores

Titan⁷¹⁶™

Laser Welded Cores for the Dry Coring of Hard Bricks, Concrete and Lightly Reinforced Concrete, with spiral core barrels as well as soft bond segments.



LWTBDCB

| Product Code | Dia.(mm) | Height (mm) | Useful length (mm) | Connection |
|---------------|----------|-------------|--------------------|------------|
| LWTBDCB32-AT | 32 | 10 | 150 | R 1/2 M16 |
| LWTBDCB52-AT | 52 | 10 | 150 | R 1/2 M16 |
| LWTBDCB65-AT | 65 | 10 | 150 | R 1/2 M16 |
| LWTBDCB102-AT | 102 | 10 | 150 | R 1/2 M16 |
| LWTBDCB117-AT | 117 | 10 | 150 | R 1/2 M16 |
| LWTBDCB127-AT | 127 | 10 | 150 | R 1/2 M16 |
| LWTBDCB152-AT | 152 | 10 | 150 | R 1/2 M16 |

Advantages:

- Conical & Spiral core barrel designs
- Arrow turbo segments;
- Laser welded products;



LWCB-WX

| Product Code | Dia.(mm) | Height (mm) | Useful length (mm) | Connection |
|--------------|----------|-------------|--------------------|------------|
| LWCB68-WX | 68 | 10 | 65 | M14 M16 |
| LWCB82-WX | 82 | 10 | 65 | M14 M16 |



Laser welded Core Bits

Dry Cores

LWBDCB

| Product Code | Dia.(mm) | Height (mm) | Useful length (mm) | Connection | |
|--------------|----------|-------------|--------------------|------------|-----|
| LWBDCB32-WS | 32 | 10 | 150 | R 1/2 | M16 |
| LWBDCB38-WS | 38 | 10 | 150 | R 1/2 | M16 |
| LWBDCB42-WS | 42 | 10 | 150 | R 1/2 | M16 |
| LWBDCB48-WS | 48 | 10 | 150 | R 1/2 | M16 |
| LWBDCB52-WS | 52 | 10 | 150 | R 1/2 | M16 |
| LWBDCB65-WS | 65 | 10 | 150 | R 1/2 | M16 |
| LWAHCB68-WS | 68 | 10 | 63 | M16 | M16 |
| LWBDCB78-WS | 78 | 10 | 150 | R 1/2 | M16 |
| LWAHCB82-WS | 82 | 10 | 63 | M16 | M16 |
| LWBDCB92-WS | 92 | 10 | 150 | R 1/2 | M16 |
| LWBDCB102-WS | 102 | 10 | 150 | R 1/2 | M16 |
| LWBDCB112-WS | 112 | 10 | 150 | R 1/2 | M16 |
| LWBDCB117-WS | 117 | 10 | 150 | R 1/2 | M16 |
| LWBDCB127-WS | 127 | 10 | 150 | R 1/2 | M16 |
| LWBDCB152-WS | 152 | 10 | 150 | R 1/2 | M16 |
| LWBDCB158-WS | 158 | 10 | 150 | R 1/2 | M16 |
| LWBDCB162-WS | 162 | 10 | 150 | R 1/2 | M16 |
| LWBDCB178-WS | 178 | 10 | 150 | R 1/2 | M16 |
| LWBDCB182-WS | 182 | 10 | 150 | R 1/2 | M16 |

Laser Welded Dry Cores for Hard Bricks and Concrete Blocks.



Spiral Tube



LWDCB

| Product Code | Dia.(mm) | Height (mm) | Useful length (mm) | Connection | |
|--------------|----------|-------------|--------------------|------------|-----------|
| LWDCB32 | 32 | 8 | 10 | 150 | R 1/2 M16 |
| LWDCB38 | 38 | 8 | 10 | 150 | R 1/2 M16 |
| LWDCB42 | 42 | 8 | 10 | 150 | R 1/2 M16 |
| LWDCB48 | 48 | 8 | 10 | 150 | R 1/2 M16 |
| LWDCB52 | 52 | 8 | 10 | 150 | R 1/2 M16 |
| LWDCB65 | 65 | 8 | 10 | 150 | R 1/2 M16 |
| LWDCB78 | 78 | 8 | 10 | 150 | R 1/2 M16 |
| LWDCB92 | 92 | 8 | 10 | 150 | R 1/2 M16 |
| LWDCB102 | 102 | 8 | 10 | 150 | R 1/2 M16 |
| LWDCB117 | 117 | 8 | 10 | 150 | R 1/2 M16 |
| LWDCB127 | 127 | 8 | 10 | 150 | R 1/2 M16 |
| LWDCB152 | 152 | 8 | 10 | 150 | R 1/2 M16 |
| LWDCB158 | 158 | 8 | 10 | 150 | R 1/2 M16 |
| LWDCB162 | 162 | 8 | 10 | 150 | R 1/2 M16 |
| LWDCB178 | 178 | 8 | 10 | 150 | R 1/2 M16 |
| LWDCB182 | 182 | 8 | 10 | 150 | R 1/2 M16 |
| LWDCB202 | 202 | 8 | 10 | 150 | R 1/2 M16 |

Laser Welded Dry Cores for Hard Bricks and Concrete Blocks.



Laser welded Core Bits

Dry Cores Kits

Kits

| Product Code | Cores | Acces |
|--------------|-------------------------|------------|
| KITS2 | 107, 152 mm | upon order |
| KITS3 | 42, 52, 117 mm | upon order |
| KITS5 | 38, 52, 65, 117, 127 mm | upon order |
| KITS5 | 42, 52, 65, 117, 127 mm | upon order |



Adaptors

| |
|-------------------------------------|
| SDS-R1/2 (M)-115 Adaptor |
| SDS-R1/2 (M)-250 Adaptor |
| SDS-M16 (M)-220 Adaptor |
| SDS-M14 (M) Adaptor |
| SDS-5/8"-11 (M)-115 Adaptor |
| HEX -R1/2 (M)-90 Adaptor |
| HEX -M16 (M)-90 Adaptor |
| HEX -M16 (M)-220 Adaptor |
| HEX -R1/2 (M)-250 Adaptor |
| HEX-M14 (M) |
| R1/2 (M)-R1/2(M) Adaptor |
| EXTENION BAR R1/2(F)-R1/2(M) 200 MM |
| EXTENION BAR R1/2(F)-R1/2(M) 150 MM |
| PILOT DRILL 10*200 MM |
| PILOT DRILL 13*350 MM |
| PILOT DRILL 10*400 MM |
| GUID ROD 12* 200 MM |
| DRIFT KEY 8*70 MM |



Stone Core Bits

Wet Cores

LWCDCB-VP

| Product Code | Dia.(mm) | Height (mm) | Useful length (mm) | Connection |
|--------------|----------|-------------|--------------------|--------------|
| LWCDCB25-2VP | 25 | 10 | 68 | M14, 5/8"-11 |
| LWCDCB32-2VP | 32 | | | |
| LWCDCB35-4VP | 35 | | | |
| LWCDCB38-4VP | 38 | | | |
| LWCDCB40-4VP | 40 | | | |
| LWCDCB50-4VP | 50 | | | |



Ideal for Granite, Basalt, Engineered stones.
Brazed side protection in core to reduce friction
Fast speed and long life.

DLCB-T

| Product Code | Dia.(mm) | Height (mm) | Useful length (mm) | Connection |
|--------------|----------|-------------|--------------------|------------|
| DLCB-T25 | 25 | 10 | 36 | 1/2GAS-M14 |
| DLCB-T32 | 32 | | | |
| DLCB-T35 | 35 | | | |
| DLCB-T38 | 38 | | | |



Ideal for UCS Porcelains, Porcelain tiles, Ceramic Tiles, Marble.
Recommended for CNC machines.
Very fast coring speed with no chipping.



DLCB-A

| Product Code | Dia.(mm) | Height (mm) | Useful length (mm) | Connection |
|--------------|----------|-------------|--------------------|------------|
| DLCB-A25 | 25 | 10 | 36 | 1/2GAS-M14 |
| DLCB-A32 | 32 | | | |
| DLCB-A35 | 35 | | | |
| DLCB-A38 | 38 | | | |



V-Tech™

| Product Code | Diameter (mm) | Height(mm) | Length (mm) | Adaptor |
|--------------|---------------|------------|-------------|-------------|
| V-QCB22 | 22 | 10 | 90 | M14 5/8"-11 |
| V-QCB25 | 25 | 10 | 90 | M14 5/8"-11 |
| V-QCB32 | 32 | 10 | 90 | M14 5/8"-11 |
| V-QCB35 | 35 | 10 | 90 | M14 5/8"-11 |
| V-QCB38 | 38 | 10 | 90 | M14 5/8"-11 |
| V-QCB45 | 45 | 10 | 90 | M14 5/8"-11 |
| V-QCB52 | 52 | 10 | 90 | M14 5/8"-11 |
| V-QCB55 | 55 | 10 | 90 | M14 5/8"-11 |
| V-QCB65 | 65 | 10 | 90 | M14 5/8"-11 |
| V-QCB78 | 78 | 10 | 90 | M14 5/8"-11 |
| V-QCB92 | 92 | 10 | 90 | M14 5/8"-11 |
| V-QCB102 | 102 | 10 | 90 | M14 5/8"-11 |

Grinding Products

THE GLOBAL CUTTER'S WAY



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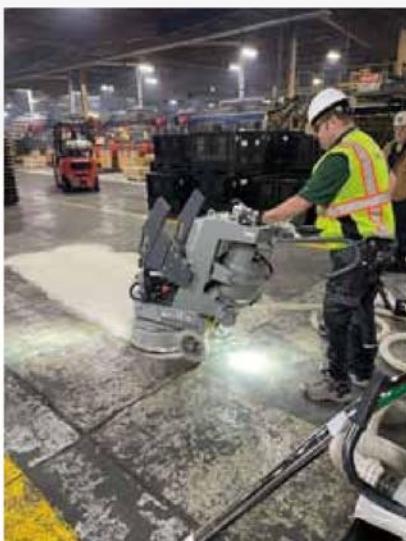
Floor Preparation

What is Floor Preparation?

Floor preparation is the process of preparing the existing flooring to receive new flooring and ensure that your new flooring will look great, lay flat, stay bonded, and not fail. Standard floor prep is taken to mean cleaning the concrete surface before laying the new flooring material. Cleaning the concrete surface would include the removal of any contaminants, adhesives, dust, debris, or curing compounds.



The trademark of Gang Yan's package of diamond products for floor preparation including coating removal, coarse-grinding, fine-grinding and surface polishing. With more than 15- years-experience of researching and developing in floor preparation industry, **EP Floor** is becoming the most reliable and efficient products for floor preparation.



Typical Floor Grinding Machines



Floor Preparation

Gringding Shoes



Coating Removal

| Product Code | Segments No | Segments Type |
|---------------|-------------|---------------|
| EPGL-PCD | 2 | PDC |
| EPDQL-PCD | 2 | PDC |
| EP-EC-PCD | 2 | PDC |
| EP-EC-PCDT6 | 2 | PDC |
| SPEPA50-PCD2 | 2 | PDC |
| SPEPA50-PCDT6 | 2 | PDC |

Soft Concrete

| Product Code | Height (mm) | Segments No | Segments Type |
|-------------------|-------------|-------------|---------------|
| EP-G | 10 | 2, 1 | Straight |
| EP-EC | 10 | 2, 1 | Straight |
| EP-EC-GSTZ | 10 | 2, 1 | Hexagonal |
| EP-ECL-AV | 10 | 2 | Arrow |
| SPEPA50-GSTZ | 10 | 2, 1 | Hexagonal |
| SPEPA50-GSY | 10 | 2, 1 | Round |
| SPEPA50-AV | 10 | 2 | Arrow |
| Diamond Mesh Size | | | |
| 20 | 30 | 60 | 100 |

Soft concrete, Moh's scratch test 2-3

Extra hard bond CM90 series, very durable



Medium Hard Concrete

| Product Code | Height (mm) | Segments No | Segments Type |
|-------------------|-------------|-------------|---------------|
| EP-G | 10 | 2, 1 | straight |
| EP-EC | 10 | 2, 1 | straight |
| EP-EC-GSTZ | 10 | 2, 1 | hexagonal |
| EP-ECL-AV | 10 | 2 | Arrow |
| SPEPA50-GSTZ | 10 | 2, 1 | hexagonal |
| SPEPA50-GSY | 10 | 2, 1 | Round |
| SPEPA50-AV | 10 | 2 | Arrow |
| Diamond Mesh Size | | | |
| 20 | 30 | 60 | 100 |

Medium concrete Moh's scratch test 3-5

Medium hard bond CM50

Application Instruction:

| Bond Hardness | hard | medium | soft | PCD |
|---------------|---------------|----------------------|---------------|-----------------|
| Grit Size | | # 20 | | |
| | | # 30 | | |
| | | # 60 | | |
| | | # 100 | | |
| Application | Soft Concrete | Medium Hard Concrete | Hard Concrete | Coating Removal |

Floor Preparation

Griinding Shoes

Hard Concrete

| Product Code | Height (mm) | Segments No | Segments Type |
|-------------------|-------------|-------------|---------------|
| EP-G | 10 | 2, 1 | straight |
| EP-EC | 10 | 2, 1 | straight |
| EP-EC-GSTZ | 10 | 2, 1 | hexagonal |
| EP-ECL-AV | 10 | 2 | Arrow |
| SPEPA50-GSTZ | 10 | 2, 1 | hexagonal |
| SPEPA50-GSY | 10 | 2, 1 | Round |
| SPEPA50-AV | 10 | 2 | Arrow |
| Diamond Mesh Size | | | |
| 20 | 30 | 60 | 100 |



Hard concrete Moh's scratch test 5-7

Medium soft bond CM30, suitable for most applications



Extremely Hard Concrete

| Product Code | Height (mm) | Segments No | Segments Type |
|-------------------|-------------|-------------|---------------|
| EP-G | 10 | 2, 1 | straight |
| EP-EC | 10 | 2, 1 | straight |
| EP-EC-GSTZ | 10 | 2, 1 | hexagonal |
| EP-ECL-AV | 10 | 2 | Arrow |
| SPEPA50-GSTZ | 10 | 2, 1 | hexagonal |
| SPEPA50-GSY | 10 | 2, 1 | Round |
| SPEPA50-AV | 10 | 2 | Arrow |
| Diamond Mesh Size | | | |
| 20 | 30 | 60 | 100 |

Extremely hard concrete Moh's scratch test 7-9

Soft bond CM15



Application Instruction:

| Bond Hardness | hard | medium | soft | PCD |
|---------------|---------------|----------------------|---------------|-----------------|
| Grit Size | | # 20 | | |
| | | # 30 | | |
| | | # 60 | | |
| | | # 100 | | |
| Application | Soft Concrete | Medium Hard Concrete | Hard Concrete | Coating Removal |

Floor Preparation

Grinding Plates

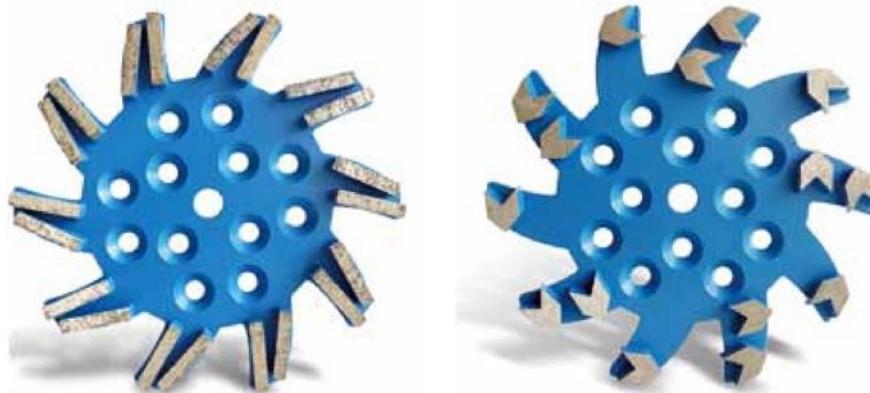


| Product Code | Dia.(mm) | Height (mm) | Segments No |
|--------------|----------|-------------|---------------|
| FGW-B-250 | 250 | 10 | 5, 10, 16, 20 |
| FGW-B-250-AV | 250 | 10 | 20 |

Advantages:

- Dynamic Balance Tested
- Multiple Bond Hardness Options
- High Grinding Efficiency

| Product Code | Dia.(mm) | Height (mm) | Segments No |
|--------------|----------|-------------|-------------|
| LPFG250 | 250 | 10 | 12 |



| Product Code | Dia.(mm) | Height (mm) | Segments No |
|--------------|----------|-------------|-------------|
| RHFG250 | 250 | 12 | 10, 20 |
| RHFG250-AV | 250 | 10 | 15 |
| RHFG300 | 300 | 12 | 20 |

Application Instruction:

| Bond Hardness | hard | medium | soft | PCD |
|---------------|---------------|-------------------------------|---------------|-----------------|
| Grit Size | | # 20 # 30 # 60 # 100 | | |
| | | | | |
| | | | | |
| | | | | |
| Application | Soft Concrete | Medium Hard Concrete | Hard Concrete | Coating Removal |

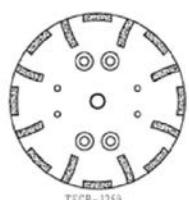
Floor Preparation

Grinding Plates

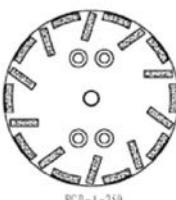


| Product Code | Dia.(mm) | Height (mm) | Segments No |
|--------------|----------|-------------|-------------|
| DQFG250-PCD | 250 | 3.5 | 12 |

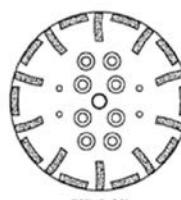
Various Designs



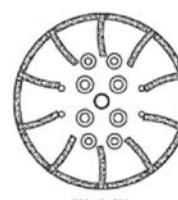
TFGP-J250



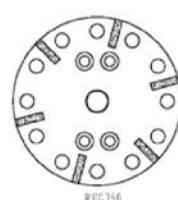
PGD-k-250



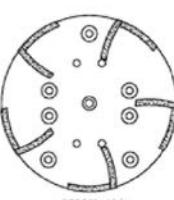
FGF-B-250



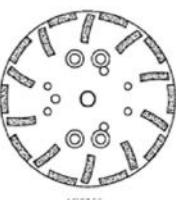
PGD-C-250



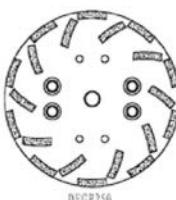
BFG250



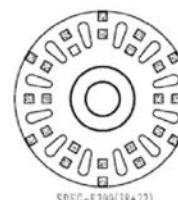
PGD250-10/A



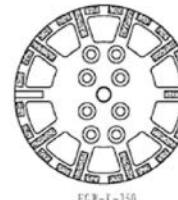
AFG250



DFGP250



SDFG-E200(38+72)



FGF-K-250



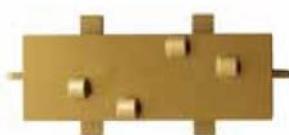
PDT74-AV



WGB90



WGBT95



MT9-PCD

| Product Code | Height (mm) | Segments No |
|--------------|-------------|-------------|
| WGB90 | 10 | 4 |
| WGBT95 | 10 | 6 |
| PDT74-AV | 10 | 5, 3, 2 |
| MT9 | 10 | 4 |
| MT9-PCD | 10 | 4 |



MT9

Application Instruction:

| Bond Hardness | hard | medium | soft | PCD |
|---------------|---------------|-------------------------------|---------------|-----------------|
| Grit Size | | # 20 # 30 # 60 # 100 | | |
| | | | | |
| | | | | |
| | | | | |
| Application | Soft Concrete | Medium Hard Concrete | Hard Concrete | Coating Removal |

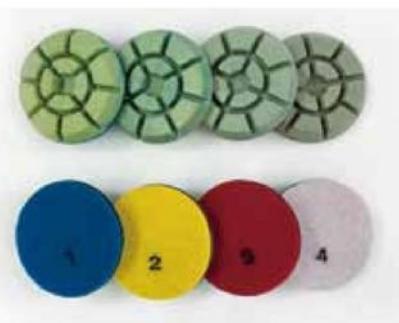
Floor Preparation

Floor Renovating Pads



| Part No. | Dia.(mm) | Thickness(mm) | Grit | | | | | | | |
|-----------|----------|---------------|------|-----|-----|-----|-----|------|------|------|
| | | | 50 | 100 | 200 | 400 | 800 | 1500 | 3000 | Buff |
| RPM-1-80 | 80 | 9 | 50 | 100 | 200 | 400 | 800 | 1500 | 3000 | Buff |
| RPM-1-100 | 100 | 9 | 50 | 100 | 200 | 400 | 800 | 1500 | 3000 | Buff |
| RPM-2-80 | 80 | 6 | 50 | 100 | 200 | 400 | 800 | 1500 | 3000 | Buff |
| RPM-2-100 | 100 | 6 | 50 | 100 | 200 | 400 | 800 | 1500 | 3000 | Buff |
| RP-3-80 | 80 | 8 | 50 | 100 | 200 | 400 | 800 | 1500 | 3000 | Buff |

Resin bond pads for granite and marble polishing and renovating, extra thick design provides very long working life.



Floor Preparation

Flex Pads

Flex Pads for Dry or Wet Polishing all Kinds of Stones, Concrete.

A Full Range of Diamond Grit Sizes for Choice.

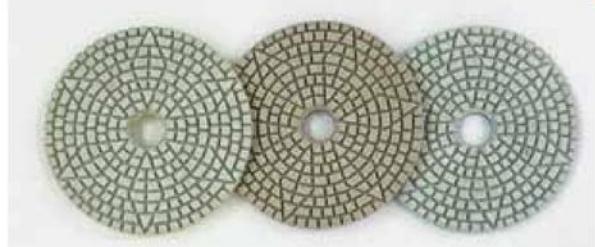
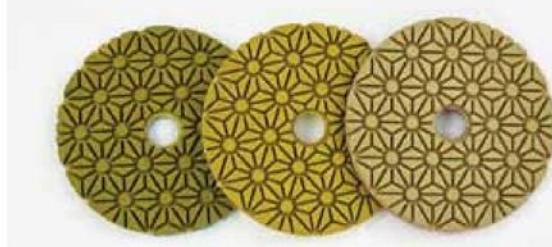
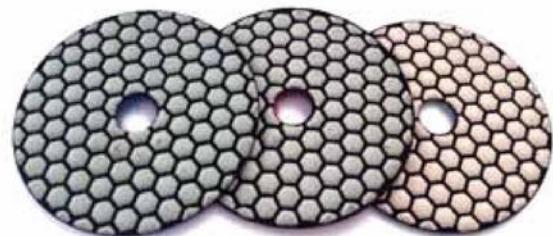
Dry Use

Resin Pads

Dry Flex Pads.

3-Step Polishing

Granite, Marble, Artificial Stone
Ideal for both dry and wet polishing,

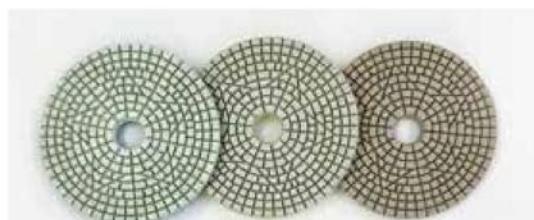


Wet Use

Wet Flex Pads

3-Step Polishing

Granite, Marble, Artificial Stone
Economic Solution.
For wet polishing only.



| Part No. | Dia.(mm) | Thickness(mm) | Grit | | | | | | | | |
|----------|----------|---------------|------|-----|-----|-----|-----|------|------|------|--|
| | | | 50 | 100 | 200 | 400 | 800 | 1500 | 3000 | Buff | |
| PD105 | 105 | 1.3 | 50 | 100 | 200 | 400 | 800 | 1500 | 3000 | Buff | |
| PD125 | 125 | 1.3 | 50 | 100 | 200 | 400 | 800 | 1500 | 3000 | Buff | |
| PW105 | 105 | 2.5 | 50 | 100 | 200 | 400 | 800 | 1500 | 3000 | Buff | |
| PW125 | 125 | 2.5 | 50 | 100 | 200 | 400 | 800 | 1500 | 3000 | Buff | |

Cup Wheels



SGP

| Product Code | Dia.(mm) | Height(mm) | Bore | | |
|--------------|----------|------------|------|------|-------------|
| SGP-1-100 | 100 | 5 | 8 | 22.2 | m14 5/8"-11 |
| SGP-1-115 | 115 | 5 | 8 | 22.2 | m14 5/8"-11 |
| SGP-1-125 | 125 | 5 | 8 | 22.2 | m14 5/8"-11 |
| SGP-1-180 | 180 | 5 | 8 | 22.2 | m14 5/8"-11 |
| SGP-1-230 | 230 | 5 | | 22.2 | m14 5/8"-11 |
| | | | | | |
| SGP-2-100 | 100 | 5 | 8 | 22.2 | m14 5/8"-11 |
| SGP-2-115 | 115 | 5 | 8 | 22.2 | m14 5/8"-11 |
| SGP-2-125 | 125 | 5 | 8 | 22.2 | m14 5/8"-11 |
| SGP-2-180 | 180 | 5 | 8 | 22.2 | m14 5/8"-11 |
| SGP-2-230 | 230 | 5 | | 22.2 | m14 5/8"-11 |



TSGP

| Product Code | Dia.(mm) | Height(mm) | Seg. No. | Bore | | |
|--------------|----------|------------|----------|------|-----|---------|
| | | | | 22.2 | m14 | 5/8"-11 |
| TSGP100 | 100 | 5 | 9, 18 | 22.2 | m14 | 5/8"-11 |
| TSGP115 | 115 | 5 | 9, 18 | 22.2 | m14 | 5/8"-11 |
| TSGP125 | 125 | 5 | 9, 18 | 22.2 | m14 | 5/8"-11 |
| TSGP150 | 150 | 5 | 10, 20 | | 19 | |
| TSGP180 | 180 | 5 | 12, 24 | 22.2 | m14 | 5/8"-11 |
| TSGP230 | 230 | 5 | 16, 32 | 22.2 | m14 | 5/8"-11 |



Diamond cup wheels in various designs of single row, double row, turbo, spiral and arrow types for the dry grinding of concrete, stones and hard materials.

TGP150 is for Hilti grinding machine.

Cup Wheels

TGP

| Product Code | Dia.(mm) | Height(mm) | Bore | | |
|--------------|----------|------------|------|-----|---------|
| TGP100 | 100 | 5 | 22.2 | m14 | 5/8"-11 |
| TGP115 | 115 | 5 | 22.2 | m14 | 5/8"-11 |
| TGP125 | 125 | 5 | 22.2 | m14 | 5/8"-11 |
| TGP150 | 150 | 5 | | 19 | |
| TGP180 | 180 | 5 | 22.2 | m14 | 5/8"-11 |

Diamond cup wheels in various designs of single row, double row, turbo, spiral and arrow types for the dry grinding of concrete, stones and hard materials.



TSGR

| Product Code | Dia.(mm) | Height(mm) | Bore | | |
|--------------|----------|------------|------|-----|---------|
| TSGR100 | 100 | 5 | 22.2 | m14 | 5/8"-11 |
| TSGR115 | 115 | 5 | 22.2 | m14 | 5/8"-11 |
| TSGR125 | 125 | 5 | 22.2 | m14 | 5/8"-11 |
| TSGR130 | 130 | 5 | | 19 | |
| TSGR180 | 180 | 5 | 22.2 | m14 | 5/8"-11 |



TW

| Product Code | Dia.(mm) | Height(mm) | Bore | | |
|--------------|----------|------------|---------|-----|---------|
| TW100-GCA2 | 100 | 6 | 22.2 | m14 | 5/8"-11 |
| TW125-GCA2 | 125 | 6 | 22.2 | m14 | 5/8"-11 |
| TW150-GCA2 | 150 | 6 | 22.2/19 | m14 | 5/8"-11 |
| TW180-GCA2 | 180 | 6 | 22.2 | m14 | 5/8"-11 |



Cup Wheels

TSGP

| Product Code | Dia.(mm) | Height(mm) | Bore | |
|--------------|----------|------------|------|-------------|
| | | | | |
| TSGP100-AV | 100 | 10 | 22.2 | m14 5/8"-11 |
| TSGP115-AV | 115 | 10 | 22.2 | m14 5/8"-11 |
| TSGP125-AV | 125 | 10 | 22.2 | m14 5/8"-11 |
| TSGP150-AV | 150 | 10 | 19 | |
| TSGP180-AV | 180 | 10 | 22.2 | m14 5/8"-11 |



Diamond cup wheels in various designs of single row, double row, turbo, spiral and arrow types for the dry grinding of concrete, stones and hard materials.

FLGP

| Product Code | Dia.(mm) | Height(mm) | Bore | |
|--------------|----------|------------|------|-------------|
| | | | | |
| FLGP105 | 105 | 5 | 22.2 | m14 5/8"-11 |
| FLGP115 | 115 | 5 | 22.2 | m14 5/8"-11 |
| FLGP125 | 125 | 5 | 22.2 | m14 5/8"-11 |
| FLGP180 | 180 | 5 | 22.2 | m14 5/8"-11 |



CBAGP

| Product Code | Dia.(mm) | Height(mm) | Bore | |
|--------------|----------|------------|------|-------------|
| | | | | |
| CBAGP115-S | 115 | 10 | 22.2 | m14 5/8"-11 |
| CBAGP125-S | 125 | 10 | 22.2 | m14 5/8"-11 |
| CBAGP180-S | 180 | 10 | 22.2 | m14 5/8"-11 |



Cup Wheels

PCD

| Product Code | Dia.(mm) | Height(mm) | Seg No. | Bore | |
|--------------|----------|------------|--------------|------|-------------|
| DRCW100-PCD | 100 | 1.5 | 6 | 22.2 | m14 5/8"-11 |
| DRCW125-PCD | 125 | 1.5 | 4, 6, 12 | 22.2 | m14 5/8"-11 |
| DRCW180-PCD | 180 | 1.5 | 6, 8, 12, 24 | 22.2 | m14 5/8"-11 |

Latest products with PCD impregnated segments, for the fast removal of all kinds of coatings.



NEW

PCD

| Product Code | Dia.(mm) | Height(mm) | Bore | | |
|---------------|----------|------------|------|-----|---------|
| TRGP115-PCDT3 | 115 | 5 | 22.2 | m14 | 5/8"-11 |
| TRGP125-PCDT3 | 125 | 5 | 22.2 | m14 | 5/8"-11 |
| TRGP180-PCDT3 | 180 | 5 | 22.2 | m14 | 5/8"-11 |

Latest products with PCD impregnated segments, for the fast removal of all kinds of coatings.



PCD

| Product Code | Dia.(mm) | Height(mm) | Seg No. | Bore | |
|----------------|----------|------------|---------|------|--|
| DQGW-A125-PCD4 | 125 | 8 | 4 | 22.2 | |
| DQGW-A125-PCD6 | 125 | 8 | 6 | 22.2 | |
| DQGW-A150-PCD6 | 150 | 8 | 6 | 19 | |
| DQGW-A180-PCD6 | 180 | 8 | 6 | 22.2 | |

Latest products with PCD impregnated segments, for the fast removal of all kinds of coatings.

Long Life.



PCD, polycrystalline diamonds, consists of micron-sized synthetic diamond powders bonded together by sintering at high pressures and temperatures.

PDC, a new functional composite made of polycrystalline diamonds (PCD) and tungsten carbide substrates through super high temperature pressing technology, features high hardness, good wear resistance and thermal conductivity. PDC has become the ideal materials for blades, drills and grinding tools.

Diamond Wire

THE GLOBAL CUTTER'S WAY



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Diamond Wire



Professionally designed diamond wire for heavy applications in construction.



| Product Code | bead diameter | bead length | DWC |
|--------------|---------------|-------------|-----|
| DWC105 | 10.5mm | 12mm | 40 |
| DWC110 | 11.0mm | 12mm | 40 |

Description:

High performance diamond wire for block cutting.

Applications:

Granite, marble, sandstone.

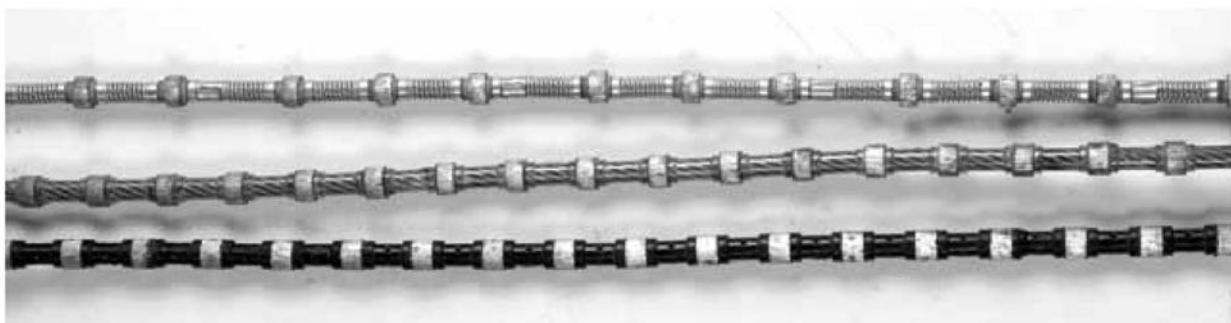
Connection:

Rubber, plastic, spring.

Diameter available:

8.5mm, 10.5mm, 11.5mm

Number of beads/m: 33,37,40.



Application Chart of GY bond to

| GY Bond | Heavily reinforced concrete | Normal concrete | Concrete with abrasive materials | Soft materials |
|---------|-----------------------------|-----------------|----------------------------------|----------------|
| GYC10 | ★★★★★ | ★★★★★ | ★★★ | ★★★ |
| GYC40 | ★★★ | ★★★★ | ★★★★★ | ★★★★ |
| GYC50 | ★ | ★ | ★★★★ | ★★★★★ |

Bond hardness
↓

General Application Instruction of Dry Cutting Blades

Diamond Blade Speed (RPM) Recommendations

| Dia (mm) | M/S | | | | | |
|----------|------|------|-------|-------|-------|-------|
| | 40 | 50 | 63 | 80 | 100 | 125 |
| 105 | 7630 | 9540 | 12000 | 15200 | 19000 | 23800 |
| 115 | 6640 | 8300 | 10400 | 13200 | 16600 | 20700 |
| 125 | 6110 | 7630 | 9620 | 12200 | 15200 | 19000 |
| 150 | 5090 | 6360 | 8020 | 10100 | 12700 | 15900 |
| 180 | 4240 | 5300 | 6680 | 8480 | 10600 | 13200 |
| 200 | 3810 | 4770 | 6010 | 7630 | 9540 | 11900 |
| 230 | 3320 | 4150 | 5230 | 6640 | 8300 | 10300 |
| 250 | 3050 | 3810 | 4810 | 6110 | 7630 | 9540 |
| 300 | 2540 | 3180 | 4010 | 5090 | 6360 | 7950 |
| 350 | 2180 | 2720 | 3430 | 4360 | 5450 | 6820 |
| 400 | 1900 | 2380 | 3000 | 3810 | 4770 | 5960 |
| 450 | 1690 | 2120 | 2670 | 3390 | 4240 | 5300 |
| 500 | 1520 | 1900 | 2400 | 3050 | 3810 | 4770 |
| 600 | 1270 | 1590 | 2000 | 2540 | 3180 | 3970 |

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Reach & Innovation



Production Capacity



About us

Quality Control





GRINDING



POLISHING



ORE BITS



DRILLING

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